



HOJA DE DATOS DE SEGURIDAD (HDS)

SECCIÓN 1. Identificación de la sustancia química peligrosa o mezcla y del proveedor o fabricante

Nombre de la sustancia química peligrosa o mezcla	Val-Tex Valve Flush
Otros medios de identificación	Ninguno.
Uso recomendado de la sustancia química peligrosa o mezcla, y restricciones de uso	
Uso recomendado	Lubricante.
Restricciones recomendadas	Ninguno conocido/Ninguna conocida.
Datos sobre el proveedor	
Fabricante/proveedor	CMC Materials; 15431 Vantage Pkwy E. Suite 210; Houston, Texas 77032; Estados Unidos
Teléfono	1.800.627.9771
Correo electrónico	Ventas.val-tex@cmcmaterials.com
Representative	
	CMC Materials; Amber Business Centre; Riddings Alfreton Derbyshire DE55 4DA; United Kingdom
Teléfono	+44 (0) 1773 844200
Correo electrónico	Ventas.val-tex@cmcmaterials.com
Representative	
	CMC Materials; Les Vieilles Hayes; 50620 Saint Fromond; Francia
Teléfono	+33 (0) 2 33 75 64 00
Correo electrónico	Ventas.val-tex@cmcmaterials.com
Distribuidor	
	CMC Materials Sealweld Canada, INC.; Bay 106, 4116 64th Ave.S.E., Calgary, AB, T2C 2B3
Teléfono	1.800.661.8465
Correo electrónico	Ventas.val-tex@cmcmaterials.com
Número de teléfono para emergencias	
Línea para urgencias de respuesta a accidentes de 3E Global	
México	+52 55 41696225
EE.UU.	+1.866.519.4752
Internacional	+1.760.476.3962
Código de acceso	333035
CHEMTREC	
	SOLAMENTE para incidentes de materiales peligrosas (vertido, fuga, incendio, exposición o accidente), llamar a CHEMTREC 24/7 al:
México	01800-710-2151
Canadá, EE.UU.	+1.800.424.9300
Internacional	+1.703.741.5970

SECCIÓN 2. Identificación de los peligros

Clasificación de la sustancia química peligrosa o mezcla

Peligros físicos	No clasificado.
Peligros para la salud	No clasificado.
Peligros para el medio ambiente	No clasificado.

Elementos de la señalización, incluidos los consejos de prudencia y pictogramas de precaución

Símbolos de peligro	Ninguno.
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Palabra de advertencia	Ninguno.
Indicación de peligro	La mezcla no cumple con los criterios de clasificación.
Consejos de prudencia	
Prevención	Respete las normas para un manejo correcto de los químicos.
Respuesta	Lávese las manos después del uso.
Almacenamiento	Consérvese alejado de materiales incompatibles.
Eliminación	Eliminar los desperdicios y residuos de conformidad con la normativa promulgada por las autoridades locales.
Otros peligros que no contribuyen en la clasificación	Ninguno conocido/Ninguna conocida.
Información suplementaria	Después del contacto prolongado con materiales muy porosos, este producto puede hacer combustión espontáneamente.

SECCIÓN 3. Composición/información sobre los components

Mezclas

Este producto no contiene sustancias clasificadas como peligrosas para la salud o el medio ambiente de acuerdo con la Norma NMX-R-019-SCFI-2011.

SECCIÓN 4. Primeros auxilios

Descripción de los primeros auxilios necesarios

Inhalación	Traslade al aire libre. Llame al médico si los síntomas aparecen o persisten.
Contacto con la cutánea	Lave con agua y jabón. Busque atención médica si la irritación se desarrolla y persiste.
Contacto con los ocular	Enjuagar con agua. Busque atención médica si la irritación se desarrolla y persiste.
Ingestión	Enjuagarse la boca. Obtenga atención médica en caso de síntomas.
Síntomas/efectos más importantes, agudos o retardados	El contacto directo con los ojos puede causar una irritación temporal.
Indicación de la necesidad de recibir atención médica inmediata y, en su caso, de tratamiento especial	Tratamiento sintomático.
Información general	Retire y aísle las ropas y el calzado contaminados. La ropa contaminada con este producto puede incendiarse espontáneamente si se desecha de manera incorrecta. Asegúrese de que el personal médico tenga conocimiento de los materiales involucrados y tome las precauciones adecuadas para su propia protección. Muéstrela esta ficha de seguridad al doctor que esté de servicio.

SECCIÓN 5. Medidas contra incendios

Medios de extinción apropiados	Neblina de agua. Espuma. Polvo químico seco. Bióxido de carbono (CO ₂).
Medios no adecuados de extinción	No utilizar agua a presión, puede extender el incendio.
Peligros específicos del producto químico	Los materiales porosos como trapos, papel, arcilla aislante u orgánica pueden hacer combustión espontáneamente cuando se mojan con este material. En caso de incendio se pueden formar gases nocivos. Los productos de la combustión pueden incluir: óxidos de carbono, óxidos de silicio.
Medidas especiales que deben tomar los equipos de lucha contra incendios	Use aparato respiratorio autónomo y traje de protección completo en caso de incendio.
Equipos/instrucciones para la lucha contra incendios	No apunte el chorro de agua directamente al aceite ardiendo para evitar esparcirlo. El agua puede ser ineficaz para combatir un incendio de petróleo a menos que sea usada por bomberos con experiencia.
Métodos específicos	Utilizar procedimientos estándar contra incendios y considerar los riesgos de otros materiales involucrados.
Riesgos generales de incendio	Arde durante un incendio. La combustión espontánea puede ocurrir.

SECCIÓN 6. Medidas que deben tomarse en caso de derrame accidental o fuga accidental

Precauciones personales, equipo de protección y procedimiento de emergencia

Para el personal que no forma parte de los servicios de emergencia Use equipo protector personal adecuado.

Para el personal de los servicios de emergencia Mantenga alejado al personal que no sea necesario. Use equipo y ropa de protección apropiados durante la limpieza. Para consultar la protección personal, véase la sección 8 de la HDS.

Precauciones relativas al medio ambiente No verter los residuos al desagüe, al suelo o las corrientes de agua.

Métodos y materiales para la contención y limpieza de derrames o fugas El producto no es miscible con agua y se sedimentará en el ambiente acuático. Detenga el flujo de material si esto no entraña riesgos. Contenga el material descargado. Palee el material al recipiente de residuos. Después de recuperar el producto, enjuague el área con agua. Para la eliminación de los residuos, ver la Sección 13 de la HDS. Recogido el producto, se limpia el área contaminada con un producto quita-aceite. Los trapos viejos, la lana de acero y los residuos contaminados con este producto pueden inflamarse espontáneamente si se desechan de forma inadecuada. Los trapos u otros materiales de limpieza usados deben empaparse con agua y depositarse en un recipiente sellado.

SECCIÓN 7. Manejo y almacenamiento

Precauciones que se deben tomar para garantizar un manejo seguro Respete las normas para un manejo correcto de los químicos. Los materiales porosos como trapos, papel, arcilla aislante u orgánica pueden hacer combustión espontáneamente cuando se mojan con este material. Puede autooxidarse con suficiente generación de calor como para encenderse si se extiende (en forma de una película fina) o si es absorbido en un material poroso o fibroso. Los paños y trapos contaminados deben guardarse en recipientes a prueba de incendios para su eliminación.

Condiciones de almacenamiento seguro, incluida cualquier incompatibilidad Almacenar en un recipiente herméticamente cerrado. Almacenar alejado de materiales incompatibles (véase la Sección 10 de la HDS).

SECCIÓN 8. Controles de exposición/protección personal

Parámetros de control

Límite(s) de exposición ocupacional No se indican los límites de exposición de los componentes.

Valores límites biológicos No se indican límites de exposición biológica para los componentes. Los límites de exposición profesional no son relevantes para la presente forma física del producto.

Directrices de exposición

Método de control por rango de exposición Cumplir los procedimientos estándares de monitoreo.

Controles técnicos apropiados Debe haber una ventilación general adecuada. La frecuencia de la renovación del aire debe corresponder a las condiciones. De ser posible, use campanas extractoras, ventilación aspirada local u otras medidas técnicas para mantener los niveles de exposición por debajo de los límites de exposición recomendados. Si no se han establecido ningunos límites de exposición, el nivel de contaminantes suspendidos en el aire ha de mantenerse a un nivel aceptable.

Medidas de protección individual, como equipo de protección personal, EPP

Protección para los ojos/la cara Use gafas de seguridad con protectores laterales (o goggles).

Protección de la piel

Protección para las manos Use guantes adecuados resistentes a los productos químicos.

Otros Úsese indumentaria protectora adecuada.

Protección respiratoria En caso de ventilación insuficiente, llevar equipo de protección respiratoria.

Peligros térmicos Llevar ropa adecuada de protección térmica, cuando sea necesario.

Consideraciones generales sobre higiene Seguir siempre buenas medidas de higiene personal, como lavarse después de manejar el material y antes de comer, beber y/o fumar. Rutinariamente lave la ropa de trabajo y el equipo de protección para eliminar los contaminantes.

SECCIÓN 9. Propiedades físicas y químicas

Apariencia

Estado físico	Líquido.
Forma	Líquido.
Color	Ámbar claro.
Olor	Olor ligero a aceite de ricino.
Umbral olfativo	La propiedad no se ha medido.
pH	La propiedad no se ha medido.
Punto de fusión/punto de congelación	La propiedad no se ha medido.
Punto inicial e intervalo de ebullición	La propiedad no se ha medido.
Punto de inflamación	290.56 °C (555 °F) Taza abierta de Cleveland
Tasa de evaporación	La propiedad no se ha medido.
Inflamabilidad (sólido, gas)	Arde durante un incendio.
Límites superior/inferior de inflamabilidad o explosividad	
Límite inferior de explosividad (%)	La propiedad no se ha medido.
Límite superior de explosividad (%)	La propiedad no se ha medido.
Presión de vapor	La propiedad no se ha medido.
Densidad de vapor	La propiedad no se ha medido.
Densidad relativa	0.975 (H ₂ O = 1)
Coefficiente de reparto: n-octanol/agua	La propiedad no se ha medido.
Temperatura de auto-inflamación	La propiedad no se ha medido.
Temperatura de descomposición	La propiedad no se ha medido.
Viscosidad	La propiedad no se ha medido.
Otras informaciones	
Densidad	La propiedad no se ha medido.
Propiedades explosivas	No explosivo.
Viscosidad cinemática	La propiedad no se ha medido.
Propiedades comburentes	No comburente.
Solubilidad(es)	Insoluble en el agua.

SECCIÓN 10. Estabilidad y reactividad

Reactividad	El producto es estable y no es reactivo en condiciones normales de uso, almacenamiento y transporte.
Estabilidad química	El material es estable bajo condiciones normales.
Posibilidad de reacciones peligrosas	Los materiales porosos como trapos, papel, arcilla aislante u orgánica pueden hacer combustión espontáneamente cuando se mojan con este material.
Condiciones que deberán evitarse	Evitar el contacto con materiales incompatibles.
Materiales incompatibles	Oxidantes fuertes.
Productos de descomposición peligrosos	No se conocen productos de descomposición peligrosos.

SECCIÓN 11. Información toxicológica

Información sobre las posibles vías de ingreso

Inhalación	Los vapores o la niebla del material caliente pueden provocar irritación respiratoria.
Contacto con la cutánea	El contacto prolongado con la piel puede causar irritación temporal.
Contacto con los ocular	El contacto directo con los ojos puede causar una irritación temporal.
Ingestión	Si se ingiere puede causar molestias.

Efectos inmediatos y retardados, así como efectos crónicos producidos por una exposición a corto y largo plazo**Medidas numéricas de toxicidad (tales como estimaciones de toxicidad aguda)**

Toxicidad aguda	No se espera que sea tóxico agudo.
Corrosión/irritación cutáneas	El contacto prolongado con la piel puede causar irritación temporal.
Lesiones oculares graves/irritación ocular	El contacto directo con los ojos puede causar una irritación temporal.
Sensibilidad respiratoria o cutánea	
Sensibilización respiratoria	No es sensibilizante respiratorio.
Sensibilización cutánea	No se espera que este producto cause sensibilización cutánea.
Mutagenicidad en células germinales	No hay datos disponibles que indiquen que el producto o cualquier compuesto presente en una cantidad superior al 0.1% sea mutagénico o genotóxico.
Carcinogenicidad	No está clasificado en cuanto a la carcinogenicidad en seres humanos.
Toxicidad para la reproducción	No se espera que este producto cause efectos reproductivos o al desarrollo.
Toxicidad sistémica específica de órganos diana - Exposición única	No clasificado.
Toxicidad sistémica específica de órganos diana - Exposiciones repetidas	No clasificado.
Peligro por aspiración	Debido a la forma física del producto no se espera que sea un peligro por aspiración.
Otras informaciones	El producto contiene una sustancia con propiedades de disrupción endocrina.

SECCIÓN 12. Información ecotoxicológica

Toxicidad	El producto no está clasificado como peligroso para el medio ambiente. Sin embargo, esto no excluye la posibilidad de que los vertidos grandes o frecuentes puedan provocar un efecto nocivo o perjudicial al medio ambiente.
Persistencia y degradabilidad	No existen datos sobre la degradabilidad del producto.
Potencial de bioacumulación	No hay datos sobre la bioacumulación.
Movilidad en el suelo	El producto es insoluble en agua. Se espera que tenga una baja movilidad en el suelo.
Otros efectos adversos	Ninguno conocido/Ninguna conocida.

SECCIÓN 13. Información relativa a la eliminación de los productos**Métodos de eliminación**

Instrucciones para la eliminación	Recoger y recuperar o botar en recipientes sellados en un vertedero oficial. El material combustible poroso contaminado con este producto debe recogerse en un recipiente de metal bien cerrado. Cubrir con agua o una solución de agua y detergente. Guárdese en un lugar fresco. Proteja contra el calor y la luz solar directa.
Reglamentos locales sobre la eliminación	Elimine de acuerdo con todas las regulaciones aplicables.
Código de residuo peligroso	El Código de Residuo debe ser asignado después de hablar con el usuario, el productor y la compañía de eliminación de residuos.
Residuos/producto no utilizado	Elimine observando las normas locales en vigor. Elimine observando las normas locales en vigor. Los recipientes vacíos o los revestimientos pueden retener residuos del producto. Este material y sus recipientes deben eliminarse de forma segura (véase: Instrucciones para la eliminación).
Envases contaminados	Ya que los recipientes vacíos pueden contener restos de producto, obsérvense las advertencias indicadas en la etiqueta después de vaciarse el recipiente. Los contenedores vacíos deben ser llevados a un sitio de manejo aprobado para desechos, para el reciclado o eliminación.

SECCIÓN 14. Información relativa al transporte**SCT**

No está regulado como producto peligroso.

DOT

No está regulado como producto peligroso.

ADR

No está regulado como producto peligroso.

RID

No está regulado como producto peligroso.

ADN

No está regulado como producto peligroso.

IATA

No está regulado como producto peligroso.

IMDG

No está regulado como producto peligroso.

Transporte a granel con arreglo al anexo II de MARPOL 73/789 y al Código IBC No aplicable (NA).

SECCIÓN 15. Información reglamentaria

Disposiciones específicas sobre seguridad, salud y medio ambiente para las sustancias químicas peligrosas o mezclas de que se trate

Esta hoja de datos de seguridad ha sido preparada de acuerdo con la Norma Oficial Mexicana (NOM-018-STPS-2015).

Mexico. ACUERDO por el que se determina el listado de sustancias sujetas a reporte de competencia federal para el registro de emisiones y transferencia de contaminantes

No listado.

Reglamentación internacional**Protocolo de Montreal**

No aplicable (NA).

Convención de Estocolmo

No aplicable (NA).

Rotterdam Convention

No aplicable (NA).

Protocolo de Kyoto

No aplicable (NA).

Convenio de Basilea

No aplicable (NA).

Inventarios Internacionales

País(es) o región	Nombre del inventario	Listado (sí/no)*
Australia	Inventario Australiano de Sustancias químicas de la Industria (AICIS)	Sí
Canadá	Lista de Sustancias Nacionales (DSL)	Sí
Canadá	Lista de Sustancias No Nacionales (NDSL)	No
China	Inventario de Sustancias Químicas Existentes en China (IECSC, Inventory of Existing Chemical Substances in China)	Sí
Europa	Inventario Europeo de Sustancias Químicas Comerciales (EINECS)	Sí
Europa	Lista Europea de Sustancias Químicas Notificadas (ELINCS)	No
Japón	Inventario de Sustancias Químicas Nuevas y Existentes (ENCS)	Sí
Corea	Lista de Sustancias Químicas Existentes (ECL)	Sí
Nueva Zelanda	Inventario de Nueva Zelanda	Sí
Filipinas	Inventario de Sustancias Químicas de Filipinas (PICCS)	Sí
Taiwán	Inventario de Sustancias Químicas de Taiwán (TCSI)	Sí
Estados Unidos y Puerto Rico	Inventario de la Ley del Control de Sustancias Tóxicas (TSCA)	Sí

*Un "Sí" indica que todos los componentes de este producto cumplen con los requisitos del inventario administrado por el(los) país(es) responsable(s)

Un "No" indica que uno o más componentes del producto no están listados o están exentos de los requisitos del inventario administrado por el(los) país(es) responsable(s).

SECCIÓN 16. Otras informaciones incluidas las relativas a la preparación y actualización de las hojas de datos de seguridad

La fecha de revisión -

Lista de abreviaturas

ACGIH: American Conference of Governmental Industrial Hygenists(Conferencia Americana de Higienistas Industriales Gubernamentales).
 ADN: Acuerdo Europeo sobre Transporte Internacional de Mercancías Peligrosas por Vías Navegables Interiores.
 ADR: Acuerdo Europeo relativo al Transporte Internacional de Mercancías Peligrosas por Carretera.
 CAS: Servicio de Chemical Abstracts.
 DOT: Departamento de Transporte.
 SGA: Sistema Globalmente Armonizado de Clasificación y Etiquetado de Sustancias Chemicals.
 IARC: International Agency ofr Research on Cancer (Agencia Internacional para la Investigación del Cáncer).
 IATA: International Air Transportation Association (Asociación Internacional de Transporte Aéreo.)
 RIG: Recipiente intermedio para graneles.
 IMDG: Marítimo Internacional de Mercancías peligrosas.
 MARPOL: Convenio internacional para prevenir la contaminación por los buques.
 NFPA: National Fire Protection Agency (Asociación Nacional para la Protección contra Incendios)
 .
 RID: Reglamento relativo al Trasporte Internacional de Mercancías peligrosas por Ferrocarril.
 SCT: Secretaría de Comunicaciones y Transporte (NOM-002-SCT/2011).

Referencias

NMX-R-019-SCFI-2011 - Sistema armonizado de clasificación y comunicación de peligros de los productos químicos
 NOM-010-STPS-2014 (segunda revisión) –Límites de exposición ocupacional – estará vigente a partir del 28 de abril, 2016
 NOM-018-STPS-2015 - sistema armonizado para la identificación y comunicación de peligros y riesgos para las sustancias químicas peligrosas en el lugar de trabajo
 NOM-026-STPS-2008 - Colores y señales de seguridad e higiene, e identificación de riesgos por fluidos conducidos en tuberías.
 NOM-028-STPS-2012 – Sistema para la administración del trabajo-Seguridad en los procesos y equipos críticos que manejen sustancias químicas peligrosas
 NOM-047-SSA1-2011 –Índices Biológicos de Exposición (IBE) para el personal ocupacionalmente expuesto a sustancias químicas
 Cantidad umbral para las sustancias químicas peligrosas en el lugar de trabajo

Clasificación según NFPA



Cláusula de exención de responsabilidad

Val-Tex, no puede anticiparse a todas las condiciones bajo las cuales se puede usar esta información y su producto o los productos de otros fabricantes en combinación con su producto. Es responsabilidad del usuario cerciorarse de que haya condiciones seguras para el manejo, almacenamiento y desecho del producto, así como asumir la responsabilidad de pérdida, lesión, daño o gasto debido a un uso inapropiado. La información de esta ficha se ha redactado sobre la base del nivel actual de conocimientos y experiencia disponible.



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture Val-Tex Valve Flush

Registration number -

Synonyms None.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Lubricant.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier Val-Tex, LLC; 15431 Vantage Pkwy E. Suite 210; Houston, Texas 77032

Telephone 1.800.627.9771

E-mail sales.val-tex@cmcmaterials.com

Representative CMC Materials; Amber Business Centre; Riddings Alfreton Derbyshire DE55 4DA; United Kingdom

Telephone +44 (0) 1773 844200

E-mail sales.val-tex@cmcmaterials.com

Representative CMC Materials; Les Vieilles Hayes; 50620 Saint Fromond; France

Telephone +33 (0) 2 33 75 64 00

E-mail sales.val-tex@cmcmaterials.com

Distributor CMC Materials Sealweld Canada, INC.; Bay 106, 4116 64th Ave.S.E., Calgary, AB, T2C 2B3

Telephone 1.800.661.8465

E-mail sales.val-tex@cmcmaterials.com

1.4 Emergency telephone number

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

3E Global Incident Response Hotline

Europe +1.760.476.3961

International +1.760.476.3962

Access code 333035

CHEMTREC

For Dangerous Goods Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

EU +44 (0) 1235 239670

International +1.703.741.5970

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.

Signal word None.

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Supplemental information on the label After prolonged contact with highly porous materials, this product may spontaneously combust.

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

General information Remove and isolate contaminated clothing and shoes. Clothing contaminated with this product may spontaneously catch fire if improperly discarded. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Will burn if involved in a fire. Spontaneous combustion can occur.

5.1. Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, silicon oxides.

5.3. Advice for firefighters

Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	Do not point solid water stream directly into burning oil to avoid spreading. Water may be ineffective in fighting an oil fire unless used by experienced firefighters.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Contain the discharged material. Shovel the material into waste container. Following product recovery, flush area with water. Clean contaminated area with oil-removing material. Rags, steel wool, or waste contaminated with this product may spontaneously catch fire if improperly discarded. Used rags or other cleaning materials should be soaked with water and placed in a sealed container.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Observe good industrial hygiene practices. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. Contaminated rags and cloths must be put in fireproof containers for disposal.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

7.3. Specific end use(s)

Lubricant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	MAK	4 mg/m ³	Inhalable fraction.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	10 mg/m ³	Inhalable fraction.
		0,07 mg/m ³	Respirable fraction.

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	MAC	6 mg/m ³	Total dust.
		0,1 mg/m ³	Respirable dust.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended. Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	2 mg/m ³	

Czech Republic. OELs. Government Decree 361 Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	4 mg/m ³	Dust.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	2 mg/m ³	Fine dust, respiratory fraction

Finland. Workplace Exposure Limits Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	5 mg/m ³	

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG) Components

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	4 mg/m ³	Inhalable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	AGW	4 mg/m ³	Inhalable fraction.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	5 mg/m ³	Respirable dust.
		10 mg/m ³	Total dust.
		0,5 mg/m ³	Dust.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Amorphous silica (CAS 112945-52-5)	TWA	1 mg/m ³

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TLV	1,5 mg/m ³	Respirable dust.

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value
Amorphous silica (CAS 112945-52-5)	TWA	0,3 mg/m ³

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	4 mg/m ³	Inhalable fraction.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Amorphous silica (CAS 112945-52-5)	TWA	6 mg/m ³	Inhalable dust.
		2,4 mg/m ³	Respirable dust.

Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	Occupational Exposure Limits are not relevant to the current physical form of the product.
8.2. Exposure controls	
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment	
General information	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Colour	Clear amber.
Odour	Slight castor oil smell.
Odour threshold	Property has not been measured.
Melting point/freezing point	Property has not been measured.
Boiling point or initial boiling point and boiling range	Property has not been measured.
Flammability	Will burn if involved in a fire.
Lower and upper explosion limit	
Explosive limit - lower (%)	Property has not been measured.
Explosive limit – upper (%)	Property has not been measured.
Flash point	290,556 °C (555,001 °F) Cleveland open cup
Auto-ignition temperature	Property has not been measured.
Decomposition temperature	Property has not been measured.
pH	Property has not been measured.
Kinematic viscosity	Property has not been measured.
Solubility	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water) (log value)	Property has not been measured.
Vapour pressure	Property has not been measured.
Density and/or relative density	
Density	Property has not been measured.
Relative density	0,975 (H ₂ O = 1)
Vapour density	Property has not been measured.
Particle characteristics	Not applicable, material is a liquid.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Evaporation rate	Property has not been measured.
Viscosity	Property has not been measured.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizers.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
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Information on likely routes of exposure

Inhalation	Vapor from heated material or mist may cause respiratory irritation.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.

11.1. Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.
Skin sensitisation	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to the physical form of the product it is not expected to be an aspiration hazard.
Mixture versus substance information	No information available.

11.2. Information on other hazards

Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other information	No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability	No data is available on the degradability of this product.
12.3. Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient n-octanol/water (log K_{ow})	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	The product is insoluble in water. Expected to have low mobility in soil.
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
12.6. Endocrine disrupting properties	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7. Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose in accordance with local regulations. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Porous combustible material contaminated with this product must be collected in a tightly closed metal container. Cover with water, or a solution of water and detergent. Store in a cool place. Protect from heat and direct sunlight.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk -
Hazard No. (ADR) Not assigned.
Tunnel restriction code Not assigned.
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

RID

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk -
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

ADN

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk -
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

IATA

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk -
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

IMDG

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk -
14.4. Packing group Not assigned.
14.5. Environmental hazards
Marine pollutant No.
EmS Not assigned.
14.6. Special precautions for user Not assigned.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization.

IATA: International Air Transport Association.

IBC: Intermediate Bulk Container.

IMDG: International Maritime Dangerous Goods.

PBT: Persistent, bioaccumulative and toxic.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VLE: Exposure Limit Value.
VME: Exposure Average Value.
vPvB: Very persistent and very bioaccumulative.

References

HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

None.

Training information

Follow training instructions when handling this material.

Disclaimer

CMC Materials Val-Tex cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

1. Identification

Identificateur de produit	Val-Tex Valve Flush
Autres moyens d'identification	Aucune.
Usage recommandé	Lubrifiant.
Restrictions d'utilisation	Aucun(e) connu(e).
Renseignements sur le fabricant/importateur/fournisseur/distributeur	
Fabricant/fournisseur	Val-Tex, LLC; 15431 Vantage Pkwy E. Suite 210; Houston, Texas 77032; États-Unis
Téléphone	1.800.627.9771
Courriel	Ventes.val-tex@cmcmaterials.com
Représentant	
	CMC Materials; Amber Business Centre; Riddings Alfreton Derbyshire DE55 4DA; United Kingdom
Téléphone	+44 (0) 1773 844200
Courriel	Ventes.val-tex@cmcmaterials.com
Représentant	
	CMC Materials; Les Vieilles Hayes; 50620 Saint Fromond; France
Téléphone	+33 (0) 2 33 75 64 00
Courriel	Ventes.val-tex@cmcmaterials.com
Distributeur	
	CMC Materials Sealweld Canada, INC.; Bay 106, 4116 64th Ave.S.E., Calgary, AB, T2C 2B3
Téléphone	1.800.661.8465
Courriel	Ventes.val-tex@cmcmaterials.com
Numéro de téléphone d'urgence	
Ligne d'urgence pour les interventions en cas d'incident de 3E Global	
Canada	+1 760.476.3962
International	+1 760.476.3962
Code d'accès	333035
CHEMTREC	
	UNIQUEMENT en cas d'accidents concernant les marchandises dangereuses (déversement, fuite, feu, exposition ou accident), appelez CHEMTREC 24/7 au:
Canada, États-Unis	1.800.424.9300
International	+1.703.741.5970

2. Identification des dangers

Dangers physiques	Non classé.
Dangers pour la santé	Non classé.
Éléments d'étiquetage	
Symbole de danger	Aucune.
Mention d'avertissement	Aucune.
Mention de danger	Le mélange ne satisfait pas les critères de classification.
Conseil de prudence	
Prévention	Observer de bonnes pratiques d'hygiène industrielle.
Intervention	Se laver les mains après utilisation.
Stockage	Conserver à l'écart de matières incompatibles.

Élimination	Éliminer les rejets et les déchets conformément aux règlements municipaux.
Renseignements supplémentaires	Après un contact prolongé avec des matériaux très poreux, ce produit peut s'enflammer spontanément.
Autres dangers	Aucun(e) connu(e).

3. Composition/information sur les ingrédients

Mélanges

Les composants ne sont pas dangereux ou sont sous les limites de divulgation requises.

4. Premiers soins

Inhalation	Transporter à l'extérieur. Appeler un médecin si des symptômes se développent ou persistent.
Contact avec la peau	Laver avec de l'eau et du savon. Consulter un médecin si une irritation se développe et persiste.
Contact avec les yeux	Rincer avec de l'eau. Consulter un médecin si une irritation se développe et persiste.
Ingestion	Rincer la bouche. Consulter un médecin si des symptômes apparaissent.
Symptômes et effets les plus importants, qu'ils soient aigus ou retardés	Le contact direct avec les yeux peut causer une irritation temporaire.
Mention de la nécessité d'une prise en charge médicale immédiate ou d'un traitement spécial, si nécessaire	Traiter de manière symptomatique.
Informations générales	Retirer et isoler les vêtements et chaussures contaminés. Les vêtements contaminés par ce produit peuvent s'enflammer spontanément s'ils sont incorrectement mis au rebut. S'assurer que le personnel médical est averti du (des) produit(s) en cause et qu'il prend des mesures pour se protéger. Présenter cette fiche de données de sécurité au médecin traitant.

5. Mesures à prendre en cas d'incendie

Agents extincteurs appropriés	Brouillard d'eau. Mousse. Poudre chimique. Dioxyde de carbone (CO ₂).
Agents extincteurs inappropriés	Ne pas utiliser un jet d'eau comme agent extincteur, car cela propagera l'incendie.
Dangers spécifiques du produit dangereux	Les matériaux poreux tels que les chiffons, le papier, l'isolation ou l'argile organique peuvent s'enflammer spontanément lorsqu'ils sont mouillés avec ce matériau. Des gaz dangereux pour la santé peuvent se former pendant un incendie. Les produits de combustion peuvent inclure : oxydes de carbone, oxydes de silicium.
Équipements de protection spéciaux et précautions spéciales pour les pompiers	Porter un appareil respiratoire autonome et un vêtement de protection complet en cas d'incendie.
Équipement/directives de lutte contre les incendies	Ne pas diriger un jet d'eau solide directement sur l'huile brûlante pour éviter une propagation. L'eau peut être inefficace pour combattre un incendie d'huile à moins qu'elle ne soit utilisée par des pompiers expérimentés.
Méthodes particulières d'intervention	Utiliser des procédures standard en cas d'incendie et tenir compte des dangers des autres substances en cause.
Risques d'incendie généraux	Brûle en cas d'incendie. Une combustion spontanée peut survenir.

6. Mesures à prendre en cas de déversement accidentel

Précautions individuelles, équipements de protection et mesures d'urgence	Tenir à l'écart le personnel non requis. Pour la protection individuelle, voir la section 8 de la FDS.
Méthodes et matériaux pour le confinement et le nettoyage	Le produit n'est pas miscible avec l'eau et se sédimentera dans les réseaux d'eau. Arrêter l'écoulement de la substance, si cela peut se faire sans risque. Contenir le matériau déversé. Pelleter le matériau dans un conteneur à déchets. Après avoir récupéré le produit, rincer la zone à l'eau. Pour l'élimination des déchets, voir la section 13 de la FDS. Après l'absorption, nettoyer avec une matière éliminant l'huile. Chiffons, laine d'acier, ou des déchets contaminés par ce produit peuvent s'enflammer spontanément si elle est mal mis au rebut. Chiffons usagés ou autres matériaux de nettoyage doivent être trempés dans l'eau et placés dans un récipient hermétique.
Précautions relatives à l'environnement	Éviter le rejet dans les égouts, les cours d'eau ou sur le sol.

7. Manutention et stockage

Précautions relatives à la sûreté en matière de manutention	Observer de bonnes pratiques d'hygiène industrielle. Les matériaux poreux tels que les chiffons, le papier, l'isolation ou l'argile organique peuvent s'enflammer spontanément lorsqu'ils sont mouillés avec ce matériau. Peut s'auto-oxyder avec une formation de chaleur suffisante pour s'enflammer si répandu (sous forme de film mince) ou absorbé sur un matériau poreux ou fibreux. Les chiffons et les tissus contaminés doivent être placés dans des récipients résistants au feu en vue d'une élimination.
Conditions de sûreté en matière de stockage, y compris les incompatibilités	Stocker dans des récipients bien fermés. Entreposer à l'écart des substances incompatibles (consulter la section 10 de la FDS).

8. Contrôle de l'exposition/protection individuelle

Limites d'exposition professionnelle	Il n'y a pas de limites d'exposition pour ce ou ces ingrédients.
Valeurs biologiques limites	Aucune limite d'exposition biologique observée pour les ingrédients.
Directives au sujet de l'exposition	Les limites d'exposition professionnelle ne sont pas adéquates pour la forme physique actuelle du produit.
Contrôles d'ingénierie appropriés	Il faut utiliser une bonne ventilation générale. Les débits de ventilation doivent être adaptés aux conditions. S'il y a lieu, utiliser des enceintes d'isolement, une ventilation locale ou d'autres mesures d'ingénierie pour maintenir les concentrations atmosphériques sous les limites d'exposition recommandées. Si des limites d'exposition n'ont pas été établies, maintenir les concentrations atmosphériques à un niveau acceptable.
Mesures de protection individuelle, telles que les équipements de protection individuelle	
Protection du visage/des yeux	Porter des lunettes de sécurité à écrans latéraux (ou des lunettes à coques).
Protection de la peau	
Protection des mains	Porter des vêtements appropriés résistants aux produits chimiques
Autre	Porter un vêtement de protection approprié.
Protection respiratoire	En cas de ventilation insuffisante, porter un appareil respiratoire approprié.
Dangers thermiques	Porter des vêtements de protection thermique appropriés, au besoin.
Considérations d'hygiène générale	Toujours adopter de bonnes pratiques d'hygiène personnelle, comme se laver après avoir manipulé la substance et avant de manger, de boire ou de fumer. Laver régulièrement les vêtements de travail et l'équipement de protection pour éliminer les contaminants

9. Propriétés physiques et chimiques

Apparence	
État physique	Liquide.
Forme	Liquide.
Couleur	Ambre transparent.
Odeur	Légère odeur d'huile de ricin.
Seuil olfactif	La propriété chimique n'a pas été mesurée.
pH	La propriété chimique n'a pas été mesurée.
Point de fusion et point de congélation	La propriété chimique n'a pas été mesurée.
Point initial d'ébullition et domaine d'ébullition	La propriété chimique n'a pas été mesurée.
Point d'éclair	290.556 °C (555.001 °F) Cleveland coupelle ouverte
Taux d'évaporation	La propriété chimique n'a pas été mesurée.
Inflammabilité (solides et gaz)	Brûle en cas d'incendie.
Limites supérieures et inférieures d'inflammabilité ou d'explosibilité	
Limite d'explosibilité - inférieure (%)	La propriété chimique n'a pas été mesurée.
Limite d'explosibilité - supérieure (%)	La propriété chimique n'a pas été mesurée.

Tension de vapeur	La propriété chimique n'a pas été mesurée.
Densité de vapeur	La propriété chimique n'a pas été mesurée.
Densité relative	0.975 (H ₂ O = 1)
Solubilité	
Solubilité (eau)	Insoluble dans l'eau.
Coefficient de partage n-octanol/eau	La propriété chimique n'a pas été mesurée.
Température d'auto-inflammation	La propriété chimique n'a pas été mesurée.
Température de décomposition	La propriété chimique n'a pas été mesurée.
Viscosité	La propriété chimique n'a pas été mesurée.
Autres informations	
Densité	La propriété chimique n'a pas été mesurée.
Propriétés explosives	Non explosif.
Viscosité cinématique	La propriété chimique n'a pas été mesurée.
Propriétés comburantes	Non oxydant.

10. Stabilité et réactivité

Réactivité	Le produit est stable et non réactif dans des conditions normales d'utilisation, d'entreposage et de transport.
Stabilité chimique	La substance est stable dans des conditions normales.
Risque de réactions dangereuses	Les matériaux poreux tels que les chiffons, le papier, l'isolation ou l'argile organique peuvent s'enflammer spontanément lorsqu'ils sont mouillés avec ce matériau.
Conditions à éviter	Contact avec des matériaux incompatibles.
Matériaux incompatibles	Oxydants forts.
Produits de décomposition dangereux	Aucun produit dangereux de décomposition n'est connu.

11. Données toxicologiques

Renseignements sur les voies d'exposition probables

Inhalation	La vapeur provenant du produit ou du brouillard chauffé peut irriter les voies respiratoires.
Contact avec la peau	Un contact prolongé avec la peau peut causer une irritation temporaire.
Contact avec les yeux	Le contact direct avec les yeux peut causer une irritation temporaire.
Ingestion	Peut provoquer un malaise en cas d'ingestion.

Renseignements sur les effets toxicologiques

Toxicité aiguë	On ne s'attend pas à ce que ce produit présente une toxicité aiguë.
Corrosion cutanée/irritation cutanée	Un contact prolongé avec la peau peut causer une irritation temporaire.
Lésions oculaires graves/irritation oculaire	Le contact direct avec les yeux peut causer une irritation temporaire.
Sensibilisation respiratoire ou cutanée	
Sensibilisation respiratoire	Pas un sensibilisant respiratoire.
Sensibilisation cutanée	On ne s'attend pas à ce que ce produit provoque une sensibilisation cutanée.
Mutagénicité sur les cellules germinales	Il n'existe pas de données qui indiquent que ce produit, ou tout composant présent à des taux de plus de 0,1 %, soit mutagène ou génotoxique.
Cancérogénicité	Inclassable quant à sa cancérogénicité pour l'homme.
Toxicité pour la reproduction	On ne s'attend pas à ce que ce produit présente des effets sur la reproduction ou le développement.
Toxicité pour certains organes cibles - exposition unique	Non classé.
Toxicité pour certains organes cibles - expositions répétées	Non classé.

Danger par aspiration Du fait de la forme physique du produit, aucun danger par aspiration n'est attendu.

12. Données écologiques

Écotoxicité Le produit n'est pas classé comme dangereux pour l'environnement. Toutefois, ceci n'exclut pas la possibilité que des déversements importants ou fréquents puissent avoir un effet nocif ou nuisible sur l'environnement.

Persistance et dégradation Aucune donnée n'est disponible sur la dégradabilité du produit.

Potentiel de bioaccumulation Aucune donnée sur la bioaccumulation n'est disponible.

Mobilité dans le sol Le produit est insoluble dans l'eau. Faible mobilité prévue dans le sol.

Autres effets nocifs Aucun(e) connu(e).

13. Données sur l'élimination

Instructions pour l'élimination Recueillir et réutiliser ou éliminer dans des récipients scellés dans un site d'élimination des déchets autorisé.
Les matériaux combustibles poreux contaminés par ce produit doivent être collectés dans un récipient métallique hermétiquement fermé. Recouvrir avec de l'eau, ou une solution d'eau et de détergent. Conserver dans un endroit frais. Protéger de la chaleur et de la lumière directe du soleil.

Règlements locaux d'élimination Détruire conformément à toutes les réglementations applicables.

Code des déchets dangereux Les codes de déchets doivent être attribués dans le cadre d'une consultation entre l'utilisateur, le fabricant et l'entreprise de décharge.

Déchets des résidus / produits non utilisés Éliminer conformément à la réglementation locale. Éliminer conformément à la réglementation locale. Les récipients ou pochettes vides peuvent conserver certains résidus de produit. Éliminer ce produit et son récipient d'une manière sûre (voir : instructions d'élimination).

Emballages contaminés Comme les récipients vides peuvent contenir un résidu du produit, suivre les avertissements de l'étiquette, même une fois le récipient vide. Les contenants vides doivent être acheminés vers une installation certifiée de traitement des déchets en vue de leur élimination ou recyclage.

14. Informations relatives au transport

TMD

N'entre pas dans la réglementation des marchandises dangereuses.

IATA

N'entre pas dans la réglementation des marchandises dangereuses.

IMDG

N'entre pas dans la réglementation des marchandises dangereuses.

Transport en vrac selon Sans objet.

l'Annexe II de MARPOL 73/78 et le recueil IBC

15. Informations sur la réglementation

Réglementation canadienne Ce produit a été classé conformément aux critères de danger énoncés dans le Règlement sur les produits dangereux et la FDS contient tous les renseignements exigés par le Règlement sur les produits dangereux.

Loi réglementant certaines drogues et autres substances

Non réglementé.

Liste des marchandises d'exportation contrôlée (LCPE 1999, Annexe 3)

Non inscrit.

Gaz à effet de serre

Non inscrit.

Règlements sur les précurseurs

Non réglementé.

Règlements internationaux

Convention de Stockholm

Sans objet.

Convention de Rotterdam

Sans objet.

Protocole de Kyoto

Sans objet.

Protocole de Montréal

Sans objet.

Convention de Bâle

Sans objet.

Inventaires Internationaux

Pays ou région	Nom de l'inventaire	En stock (Oui/Non)*
Australie	Inventaire australien des substances chimiques industrielles (AICIS)	Oui
Canada	Liste intérieure des substances (LIS)	Oui
Canada	Liste extérieure des substances (LES)	Non
Chine	Inventaire des substances chimiques existantes en Chine (IECSC)	Oui
Europe	Inventaire européen des substances chimiques commerciales existantes (EINECS)	Oui
Europe	Liste européenne des substances chimiques notifiées (ELINCS)	Non
Japon	Inventaire des substances chimiques existantes et nouvelles (ENCS)	Oui
Corée	Liste des produits chimiques existants (ECL)	Oui
Nouvelle-Zélande	Inventaire de la Nouvelle-Zélande	Oui
Philippines	Inventaire philippin des produits et substances chimiques (PICCS)	Oui
Taiwan	Inventaire des substances chimiques de Taiwan (TCSI)	Oui
États-Unis et Porto Rico	Inventaire du TSCA (Toxic Substances Controls Act - Loi réglementant les substances toxiques)	Oui

*La réponse « Oui » indique que tous les composants du produit sont conformes aux exigences d'entreposage du pays ayant compétence
Un « Non » indique qu'un ou plusieurs composant(s) du produit n'est/ne sont pas inscrit(s) ou exempt(s) d'une inscription sur l'inventaire administré par le(s) pays ayant compétence.

16. Autres informations**Date de publication** 15-Décembre-2017**Date de la révision** 06-Août-2021**Version n°** 02

Avis de non-responsabilité CMC Materials Val-Tex ne peut prévoir toutes les conditions d'utilisation des présentes informations et de son produit, ou des produits d'autres fabricants associés à son produit. Il relève de la responsabilité de l'utilisateur de veiller à assurer une manipulation, un entreposage et une élimination du produit en toute sécurité. L'utilisateur est responsable en cas de perte, de blessure, de dommage ou de frais causés par une utilisation inadéquate. Les renseignements contenus dans cette fiche ont été écrits selon les meilleures connaissances et la meilleure expérience actuellement disponibles.



SAFETY DATA SHEET

1. Identification

Product identifier	Val-Tex Valve Flush
Other means of identification	None.
Recommended use	Lubricant.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Val-Tex, LLC; 15431 Vantage Pkwy E. Suite 210; Houston, Texas 77032; United States
Telephone	1.800.627.9771
E-mail	sales.val-tex@cmcmaterials.com
Representative	
	CMC Materials; Amber Business Centre; Riddings Alfreton Derbyshire DE55 4DA; United Kingdom
Telephone	+44 (0) 1773 844200
E-mail	sales.val-tex@cmcmaterials.com
Representative	
	CMC Materials; Les Vieilles Hayes; 50620 Saint Fromond; France
Telephone	+33 (0) 2 33 75 64 00
E-mail	sales.val-tex@cmcmaterials.com
Distributor	
	CMC Materials Sealweld Canada, INC.; Bay 106, 4116 64th Ave.S.E., Calgary, AB, T2C 2B3
Telephone	1.800.661.8465
E-mail	sales.val-tex@cmcmaterials.com
Emergency phone number	
3E Global Incident Response Hotline	
Canada	+1 760.476.3962
International	+1 760.476.3962
Access code	333035
CHEMTREC	
	For Dangerous Goods Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:
Canada, USA	1.800.424.9300
International	+1.703.741.5970

2. Hazard identification

Physical hazards	Not classified.
Health hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Supplemental information	After prolonged contact with highly porous materials, this product may spontaneously combust.

Other hazards None known.

3. Composition/information on ingredients

Mixtures

The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Remove and isolate contaminated clothing and shoes. Clothing contaminated with this product may spontaneously catch fire if improperly discarded. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, silicon oxides.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Do not point solid water stream directly into burning oil to avoid spreading. Water may be ineffective in fighting an oil fire unless used by experienced firefighters.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Will burn if involved in a fire. Spontaneous combustion can occur.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Contain the discharged material. Shovel the material into waste container. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Clean contaminated area with oil-removing material. Rags, steel wool, or waste contaminated with this product may spontaneously catch fire if improperly discarded. Used rags or other cleaning materials should be soaked with water and placed in a sealed container.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. Contaminated rags and cloths must be put in fireproof containers for disposal.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	Occupational Exposure Limits are not relevant to the current physical form of the product.

Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Clear amber.
Odour	Slight castor oil smell.
Odour threshold	Property has not been measured.
pH	Property has not been measured.
Melting point/freezing point	Property has not been measured.
Initial boiling point and boiling range	Property has not been measured.
Flash point	290.556 °C (555.001 °F) Cleveland open cup
Evaporation rate	Property has not been measured.
Flammability (solid, gas)	Will burn if involved in a fire.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Property has not been measured.
Explosive limit – upper (%)	Property has not been measured.

Vapour pressure	Property has not been measured.
Vapour density	Property has not been measured.
Relative density	0.975 (H ₂ O = 1)

Solubility(ies)

Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water)	Property has not been measured.
Auto-ignition temperature	Property has not been measured.
Decomposition temperature	Property has not been measured.
Viscosity	Property has not been measured.

Other information

Density	Property has not been measured.
Explosive properties	Not explosive.
Kinematic viscosity	Property has not been measured.
Oxidising properties	Not oxidising.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.

Possibility of hazardous reactions	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Vapor from heated material or mist may cause respiratory irritation.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitisation	
Respiratory sensitisation	Not a respiratory sensitizer.
Skin sensitisation	This product is not expected to cause skin sensitisation.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Due to the physical form of the product it is not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available on bioaccumulation.
Mobility in soil	The product is insoluble in water. Expected to have low mobility in soil.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Porous combustible material contaminated with this product must be collected in a tightly closed metal container. Cover with water, or a solution of water and detergent. Store in a cool place. Protect from heat and direct sunlight.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose in accordance with local regulations. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Canadian regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 01-December-2017

Revision date 06-August-2021

Version No.

02

Disclaimer

CMC Materials Val-Tex cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.



SAFETY DATA SHEET

1. Identification

Product identifier	Val-Tex Valve Flush
Other means of identification	None.
Recommended use	Lubricant.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	CMC Materials; 15431 Vantage Pkwy E. Suite 210; Houston, Texas 77032; United States
Telephone	1.800.627.9771
E-mail	sales.val-tex@cmcmaterials.com
Representative	
	CMC Materials; Amber Business Centre; Riddings Alfreton Derbyshire DE55 4DA; United Kingdom
Telephone	+44 (0) 1773 844200
E-mail	sales.val-tex@cmcmaterials.com
Representative	
	CMC Materials; Les Vieilles Hayes; 50620 Saint Fromond; France
Telephone	+33 (0) 2 33 75 64 00
E-mail	sales.val-tex@cmcmaterials.com
Distributor	
	CMC Materials Sealweld Canada, INC.; Bay 106, 4116 64th Ave.S.E., Calgary, AB, T2C 2B3
Telephone	1.800.661.8465
E-mail	sales.val-tex@cmcmaterials.com
Emergency phone number	
3E Global Incident Response Hotline	
USA	+1.866.519.4752
International	+1.760.476.3962
Access code	333035
CHEMTREC	
	For Dangerous Goods Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:
Canada, USA	+1.800.424.9300
International	+1.703.741.5970

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.

Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	After prolonged contact with highly porous materials, this product may spontaneously combust.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Amorphous Silica	112945-52-5	4.9

Composition comments All concentrations are in percent by weight unless otherwise indicated. Components not listed are either non-hazardous or are below reportable limits.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

General information Remove and isolate contaminated clothing and shoes. Clothing contaminated with this product may spontaneously catch fire if improperly discarded. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, silicon oxides.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Do not point solid water stream directly into burning oil to avoid spreading. Water may be ineffective in fighting an oil fire unless used by experienced firefighters.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Will burn if involved in a fire. Spontaneous combustion can occur.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Contain the discharged material. Shovel the material into waste container. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Clean contaminated area with oil-removing material. Rags, steel wool, or waste contaminated with this product may spontaneously catch fire if improperly discarded. Used rags or other cleaning materials should be soaked with water and placed in a sealed container.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Observe good industrial hygiene practices. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material. Contaminated rags and cloths must be put in fireproof containers for disposal.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Amorphous Silica (CAS 112945-52-5)	TWA	0.8 mg/m ³
		20 mppcf

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Amorphous Silica (CAS 112945-52-5)	TWA	6 mg/m ³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Occupational Exposure Limits are not relevant to the current physical form of the product.

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Clear amber.

Odor Slight castor oil smell.

Odor threshold Property has not been measured.

pH Property has not been measured.

Melting point/freezing point Property has not been measured.

Initial boiling point and boiling range Property has not been measured.

Flash point 555.001 °F (290.556 °C) Cleveland Open Cup

Evaporation rate Property has not been measured.

Flammability (solid, gas) Will burn if involved in a fire.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Property has not been measured.

Explosive limit - upper (%) Property has not been measured.

Vapor pressure Property has not been measured.

Vapor density Property has not been measured.

Relative density 0.975 (H₂O = 1)

Solubility(ies)	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water)	Property has not been measured.
Auto-ignition temperature	Property has not been measured.
Decomposition temperature	Property has not been measured.
Viscosity	Property has not been measured.
Other information	
Density	Property has not been measured.
Explosive properties	Not explosive.
Kinematic viscosity	Property has not been measured.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Vapor from heated material or mist may cause respiratory irritation.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Amorphous Silica (CAS 112945-52-5)	3 Not classifiable as to carcinogenicity to humans.
NTP Report on Carcinogens	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Due to the physical form of the product it is not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available on bioaccumulation.
Mobility in soil	The product is insoluble in water. Expected to have low mobility in soil.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Porous combustible material contaminated with this product must be collected in a tightly closed metal container. Cover with water, or a solution of water and detergent. Store in a cool place. Protect from heat and direct sunlight.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose in accordance with local regulations. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	Not listed.
Toxic Substances Control Act (TSCA)	All components of the mixture on the TSCA 8(b) inventory are designated "active".
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting)	Not regulated.
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Contains component(s) regulated under the Safe Drinking Water Act.**US state regulations****US. Massachusetts RTK - Substance List**

Amorphous Silica (CAS 112945-52-5)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Amorphous Silica (CAS 112945-52-5)

US. Rhode Island RTK

Not regulated.

California Proposition 65California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision**Issue date** 26-February-2016**Revision date** 06-August-2021**Version #** 03**NFPA ratings****Disclaimer**

CMC Materials Val-Tex cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.