



Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)
Date of issue: 01/01/2018 Revision date: 06/11/2019 Printed: 07/22/2019 Version: 2.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	RapidVert+OS
Trade name	Diverting Agent
Product Code	RapidVert+OS 512
Chemical Name	Proprietary
CAS-No	Proprietary
Use of the substance/mixture	Industrial/Professional Lost Circulation Material for Drillout/Cleanout
Supplier	DiverterPlus, LLC 281 Clarkson Road, Suite 102 Ellisville, MO 63011 Tel: 833-388-7587 Fax: 636-238-2101
Emergency telephone	CHEMTREC (800) 424-9300 Outside USA: +1 703-527-3887 24 hours

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
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Signal Word	Warning
Hazard Statements	Combustible Dust
Precautionary Statements Prevention	Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.



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Main symptoms	If in eyes: Redness, Itching, Pain.
Environmental hazard	Contains no substances known to be hazardous for the environment. See Section 12 for additional Ecological Information.
Physical state @20°C	Solid
Appearance	Pellets
Colour	White
Odour	Slight
Interactions with Other Chemicals	Incompatible materials: Water, Moisture (Air).
Hazards Not Otherwise Classified (HNOC)	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

3. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid creating dust. Ensure adequate ventilation, especially in confined areas. Dust can form an explosive mixture with air.
Environmental precautions	The product is insoluble and floats on water. Do not allow into any sewer, on the ground, or into any body of water. Prevent product from entering drains.
Methods for cleaning up	Large amounts: Prevent further leakage or spillage if safe to do so. Dike to collect large spills. Cover with plastic sheet to prevent spreading. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water. Small amounts: Shovel or sweep up. After cleaning, flush away traces with water. Never return spills in original containers for re-use.

4. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Fine dust dispersed in air may ignite. Do not breathe dust. Ensure adequate ventilation. Wear personal protective equipment.
Storage	Store in accordance with local regulations. Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture.
Unknown toxicity	0% of the mixture consists of ingredient(s) of unknown toxicity.

5. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name	CAS-No	Weight %
Proprietary Monoglyceride	Proprietary	>98



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6. FIRST AID MEASURES

General advice	Keep person warm and at rest. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before reuse.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.
Ingestion	Rinse mouth. Get medical attention immediately if symptoms occur.
Inhalation	Move to fresh air. Get medical attention immediately if symptoms occur.
Main symptoms	If in eyes: Redness, Itching, Pain.
Notes to physician	Treat symptomatically.
Protection of first-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

7. FIRE FIGHTING MEASURES

Flammable properties	Not flammable.
Flash point	150 °C / 302 °F
Autoignition temperature	Not applicable
Suitable Extinguishing Media	Water spray, Foam, Dry powder, Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Special Hazard	Dust can form an explosive mixture in air. Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.
Firefighting measures	Evacuate non-essential personnel. Move containers from fire area if you can do it without risk. Keep containers and surroundings cool with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	PMC OEL
Proprietary Monoglyceride	TWA: 10 mg/m ³			

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Keep at temperatures below 150 °C / 302 °F. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye protection

Safety glasses with side-shields (EN166).

Hand Protection

Protective gloves (EN374): Butyl rubber. Glove thickness: 0.5 mm. Break through time: >8 hours.

Skin and body protection

Long sleeved clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Recommended Filter Type

A1P3

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Workers must be trained in the proper use and handling of this product as required under applicable regulations. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Environmental Exposure Controls

The product should not be allowed to enter drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state @20°C

Solid

Appearance

Pellets

Colour

White

Odour

Slight

pH

No information available

Melting/freezing point

59 °C / 138 °F (@ 1019 hPa)

Boiling point/boiling range

>200 °C / >392 °F (@ 1019 hPa)

Flash point

>150 °C / >302 °F

Evaporation rate

Not applicable

Flammability (solid, gas)

Not flammable

Flammability Limits in Air

Not applicable

Explosive limits

Not applicable

Vapour pressure

No information available

Vapour density

Not applicable

Relative density

0.96 (water = 1)

Solubility

Water solubility

Insoluble in water

Solubility in other solvents

No information available

Partition Coefficient (n-octanol/water)

No information available

Autoignition temperature

Not applicable

Decomposition temperature

No information available

Viscosity, dynamic

No information available

Explosive properties

Not applicable

Oxidising properties

Not applicable



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Density 0.96 g/cm³
 Danger of dust explosions Yes

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Materials to Avoid	Water, Moisture (Air).
Conditions to Avoid	Avoid creating dust. Extremes of temperature and direct sunlight. Protect from water.
Hazardous Decomposition Products	Carbon dioxide(CO2), Carbon monoxide, Hydrocarbons
Hazardous Polymerisation	None known.
Hazardous Reactions	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute toxicity	
Ingestion	No known effect.
Skin contact	No known effect.
Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system. No known effect based on information supplied. Vapors may be irritating to eyes, nose, throat, and lungs.

Skin corrosion/irritation No known effect.

Serious eye damage/irritation Dust contact with the eyes can lead to mechanical irritation.

Respiratory or skin sensitisation No known effect.

STOT-single exposure No known effect.

Aspiration hazard No known effect.

Chronic toxicity

Carcinogenicity Contains no ingredient listed as a carcinogen or potential carcinogens as listed by OSHA, IARC, or NTP.

Germ cell mutagenicity Not known to cause heritable genetic damage.

Reproductive toxicity Not known to cause birth defects or have a deleterious effect on a developing fetus. Not known to adversely affect reproductive functions and organs.



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STOT-repeated exposure No known effect.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects 0% of the mixture consists of components of unknown hazards to the aquatic environment

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility in soil No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

According to: US DOT, IMDG, ICAO/IATA, ADR.

Not regulated.

Proper shipping name Not regulated.

15. REGULATORY INFORMATION

International Inventories

Substance name	TSCA	DSL/NDSL
Proprietary Monoglyceride	Compl	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List



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Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

No information available.

Other information

No information available.

International Regulations

TSCA	Complies
AICS	Complies
DSL/NDSL	Complies
ENCS	Complies
KECL	Complies
PICCS	Complies
IECSC	Complies
NZIoC	Complies
TCSI	Complies

16. OTHER INFORMATION

Revision Date 07/22/2019
Version 2.1

Revision Note New layout, Supplier, Danger of dust explosions (Section 2, 5, 7, 9, 10).

Training Advice Workers must be trained in the proper use and handling of this product as required under applicable regulations.



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Abbreviations/acronyms

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value
OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits
NIOSH IDLH: National Institute for Occupational Safety and Health - Immediately Dangerous to Life or Health
OSHA: Occupational Safety and Health Administration
IARC: International Agency for Research on Cancer
NTP: National Toxicity Program
SARA: Superfund Amendments and Reauthorization Act
ACGIH: American Conference of Governmental Industrial Hygienists
CFR: U.S. Code of Federal Regulations
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
DOT: Department of Transport
IMDG: International Maritime Dangerous Goods Code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
WHMIS: Workplace Hazardous Materials Information System
CPR: Controlled Products Regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet