



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	Substance
Trade name	Diverting Agent
Product Code	RapidVert+ WS416
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).
------------------------	---



Signal Word	Warning
Hazard Statements	Causes serious eye irritation
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.



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

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	Coarse Powder
Colour	White
Odour	Odourless
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	Evacuate personnel to safe areas. Do not touch or walk through spilled material. Avoid contact with skin, eyes and clothing. Do not breathe dust. Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	Should not be released into the environment. Prevent further leakage or spillage if safe to do so.
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 contact with skin, eyes and clothing. Avoid dust formation. Fine dust dispersed in air may ignite. Do not breathe dust. Ensure adequate ventilation. Wear personal protective equipment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Handle under nitrogen and protect from moisture.
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 Organic Isomer	Proprietary	>98



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

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.
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.



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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	Contains no substances with occupational exposure limit values.
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	Coarse Powder
Colour	White
Odour	Odourless
pH	No information available
Melting/freezing point	97 °C / 206.6 °F (@ 1019 hPa)
Boiling point/boiling range	266 °C / 510.8 °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	0.28 Pa (@25°C)
Vapour density	Not applicable
Relative density	1.33 (water = 1)
Solubility	
Water solubility	16.7 g/L (@ 20.1 °C / 68.2 °F)
Solubility in other solvents	Toluene: > 167 g/L
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
Density	0.8 g/cm³ (granules) / 1.33 g/cm³ (Solid)
Danger of dust explosions	Yes



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

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Materials to Avoid	Water, Moisture (Air).
Conditions to Avoid	Protect from water.
Hazardous Decomposition Products	Carbon oxides.
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	No known effect.

Substance name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Proprietary Organic Isomer	>2000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>7.94 mg/L (Rat) 4h

Skin corrosion/irritation	No known effect.
----------------------------------	------------------

Serious eye damage/irritation	Causes serious eye irritation. OECD 405, Rabbit, 24h: Moderate eye irritation.
--------------------------------------	--

Substance name	Skin corrosion/irritation	Serious eye damage/irritation
Proprietary Organic Isomer	OECD 404 Rabbit 72h Result Non-irritating	OECD 405 Rabbit 24h Result Moderate eye irritation

Respiratory or skin sensitisation	No known effect. Did not cause sensitisation on laboratory animals (Skin Sensitisation, OECD 429, mouse).
--	---

STOT-single exposure	No known effect.
-----------------------------	------------------

Aspiration hazard	No known effect.
--------------------------	------------------

Chronic toxicity

Carcinogenicity	Contains no ingredient listed as a carcinogen.
------------------------	--

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.
------------------------------	---



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

STOT-repeated exposure No known effect.

Symptoms

Main symptoms If in eyes: Redness, Itching, Pain.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects This product is not known to be hazardous to the environment.

Substance name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Proprietary Organic Isomer			LC50: > 100 mg/L 3h	

Persistence and degradability Readily biodegradable.

Bioaccumulative potential Does not bioaccumulate.

Substance name	Log P _{ow}	Bioconcentration factor (BCF)
Proprietary Organic Isomer	1.65	

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 Organic Isomer	Listed	Listed

Legend

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

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



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

Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
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

Canada No information available.

WHMIS Hazard Class D2B Toxic materials



1. 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.



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

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