

Issue Date 10/28/2015

Revision Date 09/09/2022

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Mud Rid Silt & Sand Flush

Other means of identification

Product Code 6000

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Causes serious eye irritation	Category 2A

Label elements

Emergency Overview

WARNING

Hazard statements

Causes skin irritation and serious eye irritation.
Alkaline material. Irritating to skin and eyes.



Appearance: Clear to cloudy

Physical state: Liquid

Odor: No odor



Precautionary Statements - Prevention

Keep unnecessary personnel away. Keep people away from and upwind of spill. Keep out of low areas. Wear appropriate protective equipment and clothing during clean up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Wash thoroughly after handling. Wear protective gloves/protective eyewear/face protection.

Precautionary Statements - Response

Eye Contact: 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. Skin Contact: Wash with plenty of water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse. Inhalation: Move to fresh air. Call a physician if symptoms develop or persist. Ingestion: If swallowed: call a poison control center/doctor if you feel unwell. Rinse mouth with water.

Precautionary Statements - Storage

Store in original tightly closed container. Store away from incompatible materials (see sec. 10).

Precautionary Statements - Disposal

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Nonylphenol polyethylene glycol ether	127087-87-0	1-5	*
Silicic acid, sodium salt	1344-09-8	10-20	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures**

Skin Contact	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.
Eye Contact	Wash with plenty of water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	If swallowed: call a poison control center/doctor if you feel unwell. Rinse mouth with water.

Most important symptoms and effect, both acute and delayed

Symptoms Eye itching, stinging, redness, tearing. Skin redness, itching.

Indication of any immediate medical attention and special treatment needed

Note to physicians Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing. Move containers from area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill. Keep out of low areas. Wear appropriate protective equipment and clothing during clean up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for containment & cleaning up

This product is miscible in water. Large spills: stop the flow of material, if this is without risk. Dike the spilled material, where possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small spills: wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spilled material to original container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid releases to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in original tightly closed container. Store away from incompatible materials (see sec. 10).

Incompatible Materials

Oxidizing agents, acids, aluminum, zinc tin and their alloys.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Guidelines

Silicic acid, sodium salt, no exposure limit assigned. Exposure limit of 2mg/m³ 915 minute TWA) is recommended by analogy with sodium hydroxide.

Appropriate engineering controls

Engineering Controls

Good general ventilation (generally 10 air changes per hour) 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. Eye wash facilities and emergency shower must be available when handling this product. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection and face protection.

Skin and body protection	Wear chemical resistant gloves.
Respiratory protection	No special protective equipment is needed under normal use conditions.
General Hygiene	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothes and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear to cloudy
Color	Cloudy
Odor	No odor
Odor Threshold	Not available

<u>Property</u>	<u>Values</u>
pH	10.5-11.5
Boiling Point	Unknown
Vapor Pressure	Unknown
Specific Gravity	1.094
Melting Point/Freeze Point	Unknown
Flash Point	>200 F.
Evaporation Rate	Not available
Flammability (solid, gas)	Non-flammable
Upper Flammability Limit	Not available
Lower Flammability Limit	Not available
Explosive Properties	Not available
Vapor Density	Not available
Water Solubility	Soluble
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Water-like
Oxidizing Properties	Not available
Other Solubilities	Not available

10. STABILITY AND REACTIVITY

Reactivity

May react with oxidizing agents, aluminum, zinc, tin and their alloys.

Chemical Stability

Stable under normal conditions.

Possibility Of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions To Avoid

Do not mix with other chemicals. Avoid contact with incompatible materials.

Incompatible Materials

Oxidizing agents, acids, aluminum, zinc tin and their alloys.

Hazardous Decomposition Products

Irritating and/or noxious fumes and gases may be emitted upon decomposition. Oxides of sodium.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Skin Contact	May cause skin irritation.
Eye Contact	May cause serious eye irritation.
Inhalation	May cause irritation of the respiratory system. Prolonged inhalation may be harmful.
Ingestion	Causes respiratory tract irritation.

CHEMICAL NAME	ORAL LD50 rat	DERMAL LD50 rat	INHALATION LC50 rat
Silicic acid, sodium salt	3400 mg/kg	>5000mg/kg	>2.06g/m3
Nonyl Phenol Polyethylene glycol ether	4854mg/kg	2534mg/kg	11mg/l 4 hr.

Information on toxicological effects

Symptoms May cause skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory tract irritation if swallowed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Respiratory Sensitization	Not available.
Skin Sensitization	Not expected to cause skin sensitization.
Germ Cell Mutagenicity	No data available to indicate product is mutagenic or genotoxic.
Reproductive Toxicity	Not expected to cause reproductive toxicity.
Specific Target Organ Toxicity, Single exposure	Not classified.
Specific Target Organ Toxicity, repeated exposure	Not classified.
Aspiration Hazard	Not available.
Chronic Effects	None noted.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not classified

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	MICROORGANISMS	CRUSTACEA
Nonylphenol Polyethylene Glycol Ether		LC50 1.2-9.3mg/l 96 hr.	N/A	N/A
Silicic acid, sodium salt	N/A	LC50 1108mg/L 96hr brachydanio rerio	N/A	EC50 1700mg/L 48 hr daphnia magna

Soil Mobility

No data available.

Persistence and Degradability

Inorganic.

Bioaccumulation

Inorganic. No potential for bioaccumulation.

Other Adverse Effects

No other adverse effects expected.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local/regional/national/international regulations.

Hazardous waste Code

Waste code should be assigned by discussion between the user, the producer and the waste disposal company.

**Waste from Residues/
Unused Products**

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

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may contain product residue, follow all label warnings even after container is emptied

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT

Not Hazardous

15. REGULATORY INFORMATION**International Inventories****TSCA**

All Components of this product are listed or exempt from listing on TSCA Inventory.

TSCA 8(a) IUR

Not regulated.

United States Inventory (TSCA 8b)

Not regulated.

Legend:**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory****U.S. Federal Regulations****SARA 313 toxic chemical notification and release reporting**

Not regulated.

CERCLA**Clean Water Act (CWA) 307**

No.

Clean Water Act (CWA) 311

Yes, Nonylphenol Polyethylene Glycol Ether.

Clean Air Act (CAA) 112 Regulated

No products were found.

Toxic Substances**U.S. State Right-to-Know Regulations**

Yes, Nonylphenol polyethylene glycol ether.

U.S. State Regulations**California Proposition 65**

No products were found in sufficient amounts to require reporting.

16. OTHER INFORMATION

NFPA	Health hazards	1	Flammability	0	Reactivity	0	Other	
HMIS	Health hazards	1	Flammability	0	Reactivity	0	Personal protection	

Issue Date 10/28/2015**Revision Date** 09/09/2022**Revision Note** N/A**N/A = Not Applicable; N/D = Not Determined****Disclaimer**

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End of Safety Data Sheet