

# SAFETY DATA SHEET

Revision Date: 17-May-2016

Version: 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

## Product identifier

Product Label Name <u>Other means of identification</u> UPC Code(s) Product code UN/ID No Synonyms TM Truckmount Descaler – Step 1 Not applicable CR04 UN1759

Recommended use of the chemical and restrictions on use

None

Recommended Use	No information available.	
Uses advised against	Follow label instructions.	Not recommended for any use except intended use.

**Manufacturer Address** 

Salt Lake City, UT 84123

4282 South 590 West

Hydro-Force

USA

## Supplier's details

## **Supplier Address**

Hydro-Force 4282 South 590 West Salt Lake City, UT 84123 USA

## Emergency telephone number

## Company Phone Number Company Emergency Phone Number Emergency telephone

1-801-268-2673 United States: 1-800-535-5053 (INFOTRAC – 24 hours, 7 days a week) International: 1-352-323-3500 (INFOTRAC – 24 hours, 7 days a week) Poison Control 1-800-222-1222 (24 hour)

## 2. HAZARDS IDENTIFICATION

## Classification

## OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

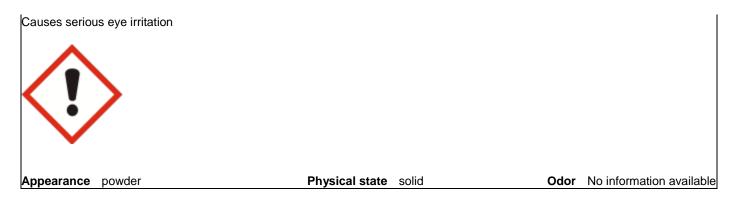
Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

## GHS Label elements, including precautionary statements

## Warning

Emergency Overview

Hazard Statements Harmful if swallowed Harmful if inhaled Causes skin irritation



## **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves, eye protection, face protection Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Do not eat, drink or smoke when using this product

## Precautionary Statements - Response

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 attention IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical attention Take off contaminated clothing and wash before reuse IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

Other information

- · Harmful to aquatic life with long lasting effects
- Harmful to aquatic life General Hazards

Keep out of reach of children

Please see Section 11. Toxicological Information for further information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Sulfamic acid	5329-14-6	> 70	

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

## **4. FIRST AID MEASURES**

#### First aid measures for different exposure routes

General advice

If symptoms persist, call a physician.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact	Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Toxic - Inhalation	Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.
Protection of First-aiders	Use personal protective equipment.
Most important symptoms/effects,	acute and delayed
Main Symptoms	No information available.
Indication of immediate medical att	tention and special treatment needed, if necessary
Notes to physician	Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

## Specific hazards arising from the chemical

No information available.

Hazardous Combustion No information available. Products

Explosion Data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Advice for emergency responders	For personal protection see section 8.
Environmental precautions	
Environmental precautions	See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## Methods and materials for containment and cleaning up

Methods for Containment	Prevent further leak	age or spillage if s	afe to do so.	
Methods for cleaning up	Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimiz spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with wate Take precautionary measures against static discharges.			
	7. HANDL	ING AND STO	RAGE	
Precautions for safe handling				
Advice on safe handling	Use only in area pro equipment. Do not b			ntilation. Wear personal protective
Conditions for safe storage, includ	ling any incompatibil	<u>ities</u>		
Technical measures/Storage conditions	Keep containers tigl containers.	ntly closed in a coo	ol, well-ventilate	d place. Keep in properly labeled
Packaging material	Keep product in packaging product is initially sold in.			
Incompatible products	None known based	on information sup	oplied.	
8. EX	POSURE CONTR	OLS/PERSON	IAL PROTEC	CTION
Control parameters				
Exposure Guidelines				s with occupational exposure limits
Appropriate engineering controls	established by the r	egion specific regu	llatory bodies.	
Engineering Measures	Showers Eyewash stations Ventilation systems.			
Individual protection measures, su	ich as personal prote	ctive equipment		
Eye/Face Protection	Tightly fitting safety	goggles. Face-shi	eld.	
Skin and body protection	No special protective equipment required.			
Respiratory protection	respiratory protectio	n should be worn. borne contaminan	Positive-pressu	nced, NIOSH/MSHA approved are supplied air respirators may be . Respiratory protection must be
Hygiene measures	When using, do not and clothing.	eat, drink or smok	e. Provide regu	lar cleaning of equipment, work area
	9. PHYSICAL ANI	CHEMICAL I	PROPERTIE	S
Physical and chemical properties				
Physical state Appearance	solid powder		Odor	Characteristic

Color	white	Odor threshold	No information available
Property	<u>Values</u>	Remarks • Method	

рН	1.5
Melting point	No information available
Boiling point/boiling range	No information available
Flash Point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper Flammability Limit	No information available
Lower Flammability Limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	2.150
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient: n-octanol/wate	rNo information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing Properties	No information available

#### **Other information**

Softening point Molecular weight VOC Content(%) Density VALUE **Bulk Density VALUE**  vailable vailable /ailable /ailable /ailable vailable vailable

No information available No information available No information available No information available No information available

## (as 1% solution)

## **10. STABILITY AND REACTIVITY**

## Reactivity

**Chemical stability** Stable under recommended storage conditions. Possibility of hazardous reactions None under normal processing. **Hazardous Polymerization** None under normal processing.

**Conditions to Avoid** Extremes of temperature and direct sunlight. **Incompatible Materials** None known based on information supplied. Hazardous Decomposition Products None known based on information supplied.

## **11. TOXICOLOGICAL INFORMATION**

## Information on likely routes of exposure

## **Product Information**

Toxic - Inhalation	Harmful by inhalation. Inhalation of dust in high concentration may cause irritation of respiratory system. Avoid breathing vapors or mists.
Eye contact	Avoid contact with eyes. Irritating to eyes. May cause temporary eye irritation. May cause slight irritation. May cause burns.
Skin contact	Avoid contact with skin. Irritating to skin. Prolonged contact may cause redness and irritation.

#### Ingestion

Harmful if swallowed. Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sulfamic acid	= 1450 mg/kg (Rat)		
5329-14-6			

#### Information on toxicological effects

Symptoms

No information available.

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

Skin corrosion/irritation Eye damage/irritation	No information available. No information available.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
Reproductive toxicity	No information available.
Developmental Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic toxicity	Avoid repeated exposure.
Aspiration hazard	No information available.

## Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) ATEmix (dermal) 1608 78692

## **12. ECOLOGICAL INFORMATION**

## Ecotoxicity

10.812% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sulfamic acid 5329-14-6		14.2: 96 h Pimephales promelas mg/L LC50 static	

## Persistence and degradability

No information available.

#### **Bioaccumulation**

No information available.

#### Other adverse effects

No information available

## **13. DISPOSAL CONSIDERATIONS**

#### Waste treatment

Waste Disposal Methods	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not re-use empty containers.

## **14. TRANSPORT INFORMATION**

## DOT

UN/ID No	UN1759			
Proper shipping name	Corrosive solid, n.o.s.; (Contains: Sulfamic Acid)			
Hazard class	8			
Packing Group	III			
Special Provisions	128, IB8, IP3, T1, TP33			
Description	UN1759, Corrosive solid, n.o.s., (Contains: Sulfamic Acid), 8, III			
Emergency Response Guide	154			
Number				
IATAUN/ID No	UN1759			
0.4.2				
Proper shipping name	Corrosive solid, n.o.s.; (Contains: Sulfamic Acid)			
Hazard class	8			
Packing Group				
Special Provisions	A3, A803			
Description	UN1759, Corrosive solid, n.o.s., (Contains: Sulfamic Acid), 8, III			
MDC				
IMDG UN/ID No	UN1759			
Proper shipping name	Corrosive solid, n.o.s.; (Contains: Sulfamic Acid)			
Hazard class	8			
Packing Group				
EmS No.				
	F-A, S-B			
Special Provisions	223, 274			
Description	UN1759, Corrosive solid, n.o.s., (Contains: Sulfamic Acid), 8, III			

**15. REGULATORY INFORMATION** 

International Inventories	
TSCA	
DSL/NDSL	

## Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

Complies Complies

## US Federal Regulations

## **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

## 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 any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and

Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## US State Regulations

## California Proposition 65

This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sulfamic acid	Х		
5329-14-6			

## U.S. EPA Label information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION						
<u>NFPA</u>	Health hazard 2	Flammability 0	Instability 0	Physical and chemical hazards		
HMIS	Health hazard 2	Flammability 0	Physical Hazard 0	Personal protection X		
Prepared By	Hydro-Force Environmental Health & Safety					
Revision Date Revision Note	17-May-	2016				
No information available Disclaimer						

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bridgewater LLC to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Bridgewater LLC assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

End of Material Safety Data Sheet