Safety Data Sheet



SECTION 1: Product and company identification	
Product name	: Salt Rinse
Use of the substance/mixture	: Acid
Product code	: 0710
Company	: Total Solutions
	P.O. Box 240014
	Milwaukee, WI 53224 - USA
	T 800-743-6417
	athea.com
	Contact:Technical Department
Emergency number	: Chemtrec: 1-800-424-9300

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture GHS US classification

Not classified

2.2. Label elements

GHS US labeling Hazard pictograms (GHS US)

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures			
Name	Product identifier	%	GHS US classification
sulphamic acid	(CAS-No.) 5329-14-6	3.0 - 7.0	Skin Irrit. 2, H315
(Cleansing Agent)			Eye Irrit. 2A, H319

All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact	 If you feel unwell, seek medical advice (show the label where possible). Remove the victim into fresh air. Rinse skin with water/shower. Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth with water. Do NOT induce vomiting.
4.2. Most important symptoms and ef	ffects, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Not expected to present a significant hazard under anticipated conditions of normal use. None under normal use. Contact during a long period may cause slight irritation. Direct contact with the eyes is likely to be irritating. Gastrointestinal complaints.

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

Treat symptomatically.

Safety Data Sheet



SECTION 5: Firefighting measures

5.1. Extinguishing media		
Suitable extinguishing media	: Adapt extinguishing media to the environment.	
5.2. Special hazards arising from the substance or mixture		
Reactivity	: Upon combustion: CO and CO2 are formed.	
5.3. Advice for firefighters		
Firefighting instructions	 Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. 	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.	

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective e	6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Isolate from fire, if possible, without unnecessary risk.		
6.1.1. For non-emergency personnel Protective equipment Emergency procedures	 Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area. 		
6.1.2. For emergency responders Protective equipment Emergency procedures	 Equip cleanup crew with proper protection. Stop leak if safe to do so. Stop release. Ventilate area. 		
6.2. Environmental precautions			

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3.	6.3. Methods and material for containment and cleaning up			
	ontainment ods for cleaning up		Contain released product, collect/pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.	
6.4.	Reference to other sections			

No additional information available

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.		
Hygiene measures	: Wash thoroughly after handling. Wash contaminated clothing before reuse.		
7.2. Conditions for safe storage, in	cluding any incompatibilities		
Technical measures	Comply with applicable regulations.		

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible products	: Oxidizing agent.
Storage area	: Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.
Special rules on packaging	: meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sulphamic acid (5329-14-6)

Not applicable

8.2. Exposure controls

Personal protective equipment

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective goggles. Protective clothing.



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Safety Data Sheet



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

3.1. Information on basic physical and the	mica	ii piopeities
Physical state	:	Liquid
Appearance Odor	÷	Clear, colorless liquid
	•	Cherry
Odor threshold	:	No data available
pH	•	1 – 2
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	> 200 °F
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Relative vapor density at 20°C	:	No data available
Density	:	1.01 g/ml
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
VOC content	:	< 0.5 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO2 are formed.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity	: Not classified	
sulphamic acid (5329-14-6)		

LD50 oral rat	3160 mg/kg (Rat; Literature study)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female,
	Experimental value, Dermal, 14 day(s))
ATE CLP (oral)	2065 mg/kg body weight
Skin corrosion/irritation	: Not classified pH: 1 – 2
Serious eye damage/irritation	: Not classified
, ,	pH: 1 – 2
Respiratory or skin sensitization	: Not classified

Safety Data Sheet



Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Not classified None under normal use. Contact during a long period may cause slight irritation. Direct contact with the eyes is likely to be irritating. Gastrointestinal complaints.

SECTION 12: Ecological information		
12.1. Toxicity		
sulphamic acid (5329-14-6)		
LC50 - Fish [1]	70.3 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Lethal)	
EC50 - Crustacea [1]	71.6 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Nominal concentration)	

12.2. Persistence and degradability	
sulphamic acid (5329-14-6)	
Persistence and degradability	Biodegradability: not applicable.
12.3. Bioaccumulative potential	
and a housing a stick (5000, 4.4, 0)	

sulphamic acid (5329-14-6)		
Bioaccumulative potential	Not bioaccumulative.	

SECTION 13: Disposal considerations		
13.1. Waste treatment met	thods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.	
SECTION 14: Transport information		
Department of Transportation (DOT)		
In accordance with DOT:	Not regulated for transport	
Additional information		
Other information	: No supplementary information available.	

ADR	
No additional information available	
Transport by sea	
No additional information available	
Air transport	
No additional information available	

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.



This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information			
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.		
NFPA health hazard : NFPA fire hazard :	 1 - Materials that, under emergency conditions, can cause significant irritation. 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand. 		
NFPA reactivity :	0 - Material that in themselves are normally stable, even under fire conditions.		

Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.