

**SAFETY DATA SHEET** 

**TARTAR & STAIN LIQUID** 

# Section 1. Identification

GHS product identifier	: TARTAR & STAIN LIQUID
Other means of	: Not available.
identification	
Product code	: various
Product type	: Liquid.
Relevant identified uses	of the substance or mixture and uses advised against
Not applicable.	
Supplier's details	: Keystone Research & Pharmaceutical 480 South Democrat Rd. Gibbstown, NJ 08027 856-663-4700
Emergency telephone	: (800) 535-5053

Emergency telephone number (with hours of operation)

# Section 2. Hazards identification

OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		
Classification of the substance or mixture	: SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1		
	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 4.2% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 4.2%		
GHS label elements			
Hazard pictograms			
Signal word	: Danger		
Hazard statements	: Causes severe skin burns and eye damage.		
Precautionary statements			
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.		
Prevention	: Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.		
Response	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.		
Storage	: Store locked up.		
Date of issue/Date of revision	: 11/23/2020 Date of previous issue : No previous validation Version : 1 1/11		
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### Section 2. Hazards identification

**Disposal** 

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

### Section 3. Composition/information on ingredients

: None known.

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

#### **CAS number/other identifiers**

**CAS** number

: Not applicable.

Ingredient name	CAS number	EC number	INCI Name	%
sulphamidic acid	5329-14-6	226-218-8	Sulfamic Acid	≤5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact	eyes remo	nedical attention immediately. Call a poison center or physician. Immediately flush with plenty of water, occasionally lifting the upper and lower eyelids. Check for and ve any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns be treated promptly by a physician.
Inhalation	fresh fume breat occu dang unco an op inhal	nedical attention immediately. Call a poison center or physician. Remove victim to air and keep at rest in a position comfortable for breathing. If it is suspected that s are still present, the rescuer should wear an appropriate mask or self-contained hing apparatus. If not breathing, if breathing is irregular or if respiratory arrest rs, provide artificial respiration or oxygen by trained personnel. It may be erous to the person providing aid to give mouth-to-mouth resuscitation. If nscious, place in recovery position and get medical attention immediately. Maintain ben airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of ation of decomposition products in a fire, symptoms may be delayed. The exposed on may need to be kept under medical surveillance for 48 hours.
Skin contact	conta Was Cont	nedical attention immediately. Call a poison center or physician. Wash aminated skin with soap and water. Remove contaminated clothing and shoes. In contaminated clothing thoroughly with water before removing it, or wear gloves. Sinue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a cian. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	with posit perso feels so by does Neve	nedical attention immediately. Call a poison center or physician. Wash out mouth water. Remove dentures if any. Remove victim to fresh air and keep at rest in a ion comfortable for breathing. If material has been swallowed and the exposed on is conscious, give small quantities of water to drink. Stop if the exposed person sick as vomiting may be dangerous. Do not induce vomiting unless directed to do medical personnel. If vomiting occurs, the head should be kept low so that vomit not enter the lungs. Chemical burns must be treated promptly by a physician. or give anything by mouth to an unconscious person. If unconscious, place in very position and get medical attention immediately. Maintain an open airway. en tight clothing such as a collar, tie, belt or waistband.

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# Section 4. First aid measures

Most important symptoms/e	ffects, acute and delayed	
Potential acute health effect	ets de la constante de la const	
Eye contact	: Causes serious eye damage.	
Inhalation	: No known significant effects or critical hazards.	
Skin contact	: Causes severe burns.	
Ingestion	: No known significant effects or critical hazards.	
Over-exposure signs/symp	<u>toms</u>	
Eye contact	: Adverse symptoms may include the following: pain watering redness	
Inhalation	: No specific data.	
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur	
Ingestion	Adverse symptoms may include the following: stomach pains	
Indication of immediate med	lical attention and special treatment needed, if necessary	
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
Specific treatments	: No specific treatment.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: nitrogen oxides sulfur oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### Section 5. Fire-fighting measures

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

Personal precautions, protec	tive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information ir Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ntainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.	
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.	

# Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep
incompationnies	container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

<u>Control parameters</u>				
Occupational exposure lin	<u>nits</u>			
Ingredient name		Exposure limits		
sulphamidic acid		None.		
Appropriate engineering controls	local exhaust ver	is generate dust, fumes, gas, vapor or mist, use process enclosures, ntilation or other engineering controls to keep worker exposure to inants below any recommended or statutory limits.		
Environmental exposure controls	they comply with cases, fume scru	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual protection meas	ures			
Hygiene measures	eating, smoking Appropriate tech Wash contamina	rearms and face thoroughly after handling chemical products, before and using the lavatory and at the end of the working period. Iniques should be used to remove potentially contaminated clothing. ated clothing before reusing. Ensure that eyewash stations and safety se to the workstation location.	1	
Eye/face protection	assessment indic gases or dusts. the assessment	complying with an approved standard should be used when a risk icates this is necessary to avoid exposure to liquid splashes, mists, If contact is possible, the following protection should be worn, unless indicates a higher degree of protection: chemical splash goggles and f inhalation hazards exist, a full-face respirator may be required instead	1/	
Skin protection				
Hand protection	worn at all times necessary. Cons during use that th noted that the tin glove manufactu	ant, impervious gloves complying with an approved standard should be when handling chemical products if a risk assessment indicates this i isidering the parameters specified by the glove manufacturer, check the gloves are still retaining their protective properties. It should be me to breakthrough for any glove material may be different for differen urers. In the case of mixtures, consisting of several substances, the of the gloves cannot be accurately estimated.	is	
Body protection	performed and the	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Other skin protection	based on the tas	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Respiratory protection	appropriate stan	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.		

# Section 9. Physical and chemical properties

#### **Appearance**

Physical state	:	Liquid.
Color	:	White to yellowish.
Odor	:	Sulfurous. [Slight]
рН	1	<1
Melting point	1	Not available.
Boiling point	:	105°C (221°F)
Flash point	:	Closed cup: >93.3°C (>199.9°F)
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	1	Not available.
Vapor density	1	Not available.
Relative density	1	1.1
Solubility	1	Not available.
Solubility in water	1	Not available.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Viscosity	:	Not available.
Flow time (ISO 2431)	:	Not available.

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis
Hazardous decomposition	: Under normal conditions of storage and use, hazardous decomposition products should not be produced

products

not be produced.

### Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sulphamidic acid	LD50 Oral	Rat	3160 mg/kg	-

#### Irritation/Corrosion

Date of issue/Date of revision

# Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
sulphamidic acid	Eyes - Moderate irritant	Rabbit	-	20 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 250	-
				ug	
	Skin - Mild irritant	Human	-	120 hours 4	-
				% I	
	Skin - Severe irritant	Rabbit	-	24 hours 500	-
				mg	

Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	4	Causes serious eye damage.
Inhalation	1	No known significant effects or critical hazards.
Skin contact	1	Causes severe burns.
Ingestion	:	No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	<ul> <li>Adverse symptoms may include the following: stomach pains</li> </ul>

#### Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Short term exposure</u>		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Long term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health effe	ects	
Not available.		
General	: No known significant effects or critical hazards.	
Carcinogenicity	: No known significant effects or critical hazards.	
Mutagenicity	: No known significant effects or critical hazards.	
Teratogenicity	: No known significant effects or critical hazards.	
<b>Developmental effects</b>	: No known significant effects or critical hazards.	
Fertility effects	: No known significant effects or critical hazards.	

## Section 11. Toxicological information

#### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	75059.4 mg/kg

### Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
sulphamidic acid	Acute LC50 14200 μg/l Fresh water	Fish - Pimephales promelas	96 hours

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
sulphamidic acid	0.101	-	low

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal
	of this product, solutions and any by-products should at all times comply with the
	requirements of environmental protection and waste disposal legislation and any
	regional local authority requirements. Dispose of surplus and non-recyclable products
	via a licensed waste disposal contractor. Waste should not be disposed of untreated to
	the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
	Waste packaging should be recycled. Incineration or landfill should only be considered
	when recycling is not feasible. This material and its container must be disposed of in a
	safe way. Care should be taken when handling emptied containers that have not been
	cleaned or rinsed out. Empty containers or liners may retain some product residues.
	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains
	and sewers

# Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Date of issue/Date of	revision :	11/23/2020 Date o	f previous issue	: No previous vali	idation Version	:1 8/1

ARTAR & STAIN EIQUID						
Section 14. Transport information						
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL and the IBC Code

# Section 15. Regulatory information

U.S. Federal regulations	: TS	SCA 8(a) CDR Exe	mpt/Partial exemption: Not determined
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: No	ot listed	
Clean Air Act Section 602 Class I Substances	: No	ot listed	
Clean Air Act Section 602 Class II Substances	: No	ot listed	
DEA List I Chemicals (Precursor Chemicals)	: No	ot listed	
DEA List II Chemicals (Essential Chemicals)	: No	ot listed	
SARA 302/304			
Composition/information o	n ing	redients	
No products were found.			
SARA 304 RQ	: No	ot applicable.	
SARA 311/312			
Classification	: SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1		
Composition/information o	n ing	<u>redients</u>	
Name		%	Classification
sulphamidic acid		≤5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
State regulations			
Massachusetts	: No	one of the compone	ents are listed.
New York	: No	one of the compone	ents are listed.
New Jersey	: Th	e following compo	nents are listed: SULPHAMIC ACID; SULFAMIC ACID

# Section 15. Regulatory information

Pennsylvania

: None of the components are listed.

#### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

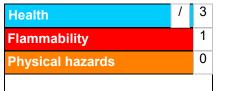
#### International regulations

<b>Chemical Weapon</b>	Convention List Schedules I, II & III Chemic	<u>als</u>

Inventory list	
Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	<ul> <li>Japan inventory (ENCS): All components are listed or exempted.</li> <li>Japan inventory (ISHL): Not determined.</li> </ul>
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.
Viet Nam	: All components are listed or exempted.

### Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

#### National Fire Protection Association (U.S.A.)



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### Section 16. Other information

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

<u>History</u>	
Date of printing	: 11/23/2020
Date of issue/Date of revision	: 11/23/2020
Date of previous issue	: No previous validation
Version	: 1
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	: Not available.

Indicates information that has changed from previously issued version.

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Information contained within this SDS is only to be distributed as required by law.