



# Safety Data Sheet



#### Revision Number: 004.7

Issue date: 02/24/2021

## 1. PRODUCT AND COMPANY IDENTIFICATION

 Product name:
 TITRA

 Product type/use:
 Auxilia

 Restriction of Use:
 Auxilia

 Company address:
 None i

 Henkel Corporation
 One Henkel Way

 Rocky Hill, Connecticut 06067

TITRATING SOLUTION 20 Auxiliary product None identified

IDH number: 592430 Item number: 592430 Region: United States Contact information: Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: w ww.henkelna.com

## 2. HAZARDS IDENTIFICATION

# DANGER:

EMERGENCY OVERVIEW CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE CANCER.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
CARCINOGENICITY	1A



#### Precautionary Statements

Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash affected area thoroughly after handling. Wear protective gloves, clothing, eye and face protection.
Response:	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. Take off contaminated clothing.
Storage:	Store locked up.
Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

#### See Section 11 for additional toxicological information.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS Hazardous Component(s) CAS Number Percentage\* Sulfuric acid 7664-93-9 0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

# 4. FIRST AID MEASURES

Inhalation:	If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.	
Skin contact:	Remove contaminated clothing and footw ear. For skin contact, flush with large amounts of water. Seek immediate medical attention.	
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.	
Ingestion:	Get immediate medical attention. Do not induce vomiting. Give one to two glasses of w ateror milk. Never give anything by mouth to a victim w ho is unconscious or is having convulsions.	
Symptoms:	See Section 11.	
Notes to physician:	Treat symptomatically and supportively.	
5. FIRE FIGHTING MEASURES		
Extinguis hing media:	Water spray (fog), foam, dry chemical or carbon dioxide.	
Special fire fighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.	

Wear full protective clothing. Wear self-contained breathing apparatus.

This product is an aqueous mixture which will not burn.

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits oxides of sulfur, carbon monoxide, carbon dioxide and/or low molecular w eight hydrocarbons.

# 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, is olate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear suitable protective clothing, gloves and eye/face protection. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
Clean-up methods:	Absorb spill w ith inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

# 7. HANDLING AND STORAGE

Handling:

Unusual fire or explosion hazards:

Hazardous combustion products:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. For industrial use only.

Storage:

Keep container tightly closed and in a cool, w ell-ventilated place aw ay from incompatible materials.

For information on product shelflife, please review labels on container or check the Technical Data Sheet.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sulfuric acid	0.2 mg/m3 TWA Thoracic fraction.	1 mg/m3 PEL	None	None

Engineering controls:

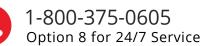
Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

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If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented. If concentrations are below the TLV and/or PEL, a NIOSH approved disposable dust/mist respirator may be used for personal comfort. For concentrations above the TLV and/or PEL but less than 10 times these limits, a NIOSH approved half-facepiece respirator equipped with dust-mist cartridges may be used. For concentrations greater than 10 times these limits, consult the NIOSH respirator decision logic found in Publication No. 87-116 or ANSI Z88.2-1992.

#### Eye/face protection:

Respiratory protection:

Skin protection:

Wear chemical goggles; face shield (if splashing is possible).

Chemical resistant, impermeable gloves. The use of butyl rubber gloves is recommended. Use of impervious apron and boots are recommended.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor: Odor threshold: pH: Vapor pressure: Boiling point/range: Melting point/ range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - low er: Flammable/Explosive limits - upper: Autoignition temperature: Flammability: Evaporation rate: Solubility in water: Partition coefficient (n-octanol/water): VOC content: Viscosity: Decomposition temperature:

Liquid Clear None Not available. 1.6 Not determined > 210 °F (> 98.9 °C) Not available. Not determined Not applicable Not applicable Not applicable Not applicable Not applicable Not available. Complete Not available. Not applicable Not available. Not available.

## **10. STABILITY AND REACTIVITY**

Stability:	Stable at normal conditions.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	Upon decomposition, this product emits oxides of sulfur, carbon monoxide, carbon dioxide and/or low molecular w eight hydrocarbons.
Incompatible materials:	Keep aw ay fromorganic materials, combustible materials, alkalis and metals.
Reactivity:	This product may react w ith aluminum, zinc, tin and their alloys to produce flammable hydrogen gas.
Conditions to avoid:	Store aw ay from incompatible materials.

## **11. TOXICOLOGICAL INFORMATION**

Relevant routes of exposure:

Skin, Inhalation, Eyes, Ingestion

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#### Potential Health Effects/Symptoms

Inhalation:Mists, vapors or liquid may cause severe irritation or burns.Skin contact:This product is irritating to the skin. Causes skin irritation.Eye contact:This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.Ingestion:Ingestion of this product may cause nausea, vomiting and diarrhea.

 Hazardous Component(s)
 LD50s and LC50s
 Immediate and Delayed Health Effects

 Sulfuric acid
 None
 Carcinogen, Corrosive, Irritant

 Hazardous Component(s)
 NTP Carcinogen
 IARC Carcinogen
 OSHA Carcinogen

 (Specifically Regulated)
 (Specifically Regulated)
 (Specifically Regulated)

Know n To Be Human Carcinogen.	Group 1	No

## **12. ECOLOGICAL INFORMATION**

Ecological information:

Sulfuric acid

Do not empty into drains / surface water / ground water.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:

Dispose of according to Federal, State and local governmental regulations.

# **14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any pack age/configuration.

#### U.S. Department of Transportation Ground (49 CFR)

Propershipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA)

Propershipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

Water Transportation (IMO/IMDG)

Propershipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

# **15. REGULATORY INFORMATION**

#### United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	None above reporting de minimis. Immediate Health, Delayed Health None above reporting de minimis.

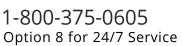
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#### Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed on or are exempt fromlisting on the Canadian Domestic Substances List.

## **16. OTHER INFORMATION**

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Regulatory Affairs

Issuedate: 02/24/2021

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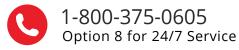
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