



Precautionary Statement(s)

P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

Product fails to meet PBT or vPvB criteria.

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## Section 3: Composition/information on ingredients

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### 3.1 Substances

Not applicable

### 3.2 Mixtures

Cleaning Aqueous Solution

Chemical name	Weight %	REACH registration number	CAS number	EC number	Classification, hazard statement codes (EC 1272/2008, GHS)
Ethanol	1-3		64-17-5	200-578-6	None
Ammonia	0.5-2		7664-41-7	231-635-3	None

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## Section 4: First aid measures

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### 4.1 Description of first-aid measures

General advice

Call a physician. Show first responders and physician this safety data sheet.

If inhaled

If uncomfortable, remove person to fresh air and keep in resting position. Seek medical attention if symptoms get worse or persist.

In case of skin contact

If uncomfortable, wash exposed areas with plenty of water and soap. Seek medical attention if discomfort persists.

In case of eye contact

Irrigate with plenty of water, at least 15 minutes. Seek medical attention if irritation persists.

If swallowed

Do not induce vomiting. Rinse mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Note to physicians

Treat symptomatically.

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## **Section 5: Firefighting measures**

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### **5.1 Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Container may melt and leak in heat of fire.

### **5.3 Advice for firefighters**

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive mode.

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## **Section 6: Accidental release measures**

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### **6.1 Personal precautions, protective equipment and emergency procedures**

Wash after handling.

### **6.2 Environmental precautions**

Contain spill. Prevent contamination of soils, drains, and surface water.

### **6.3 Methods and material for containment and cleaning up**

Take up manually, placing into appropriate containers for disposal.

### **6.4 Reference to other sections**

See Sections 2, 8, and 13.

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## **Section 7: Handling and storage**

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### **7.1 Precautions for safe handling**

Avoid contact with eyes, skin, or clothing. Use with adequate ventilation. Wear appropriate personal protective equipment: See Section 8. Handle in accordance with good industrial hygiene and safety practices.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store at room temperature.

### 7.3 Specific end use(s)

Industrial and professional use only.

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## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Engineering Controls                      Local exhaust. Use in well-ventilated areas.

#### Personal Protective Equipment

Eye/face protection                      If there is a risk of splashing, use goggles with side shields.

Skin protection                              Use proper protective gloves and lab coat/apron.

Respiratory protection                      Respiratory protection not required. For nuisance exposures, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Light Blue
Odor	Faint Ammonia Odor
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	Not applicable
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
pH	10
Kinematic viscosity	No data available
Solubility	Complete in water
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Density and/or relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available

### 9.2 Other information

None

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## Section 10: Stability and reactivity

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### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions.

### 10.3 Possibility of hazardous reactions

Do not mix with bleach or other strong bases.

### 10.4 Conditions to avoid

Direct sources of heat.

### 10.5 Incompatible materials

Do not mix with bleach or other strong bases.

### 10.6 Hazardous decomposition of products

Thermal decomposition can lead to release of irritating fumes and gasses.

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## Section 11: Toxicological information

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### 11.1 Information on hazard classes

Acute oral toxicity	LD50 > 20,000 mg/kg
Skin corrosion/irritation	Classified as not irritating to skin
Serious eye damage/irritation	May cause irritation. Wash immediately and thoroughly with plenty of water
Respiratory or skin sensation	Classified as not sensitizing to skin
Germ cell mutagenicity	Classified as not mutagenic
Carcinogenicity	EH40 Not listed
	IARC Not listed
	NTP Not listed
	OSHA Not considered a carcinogen under OSHA
	ACGIH Not listed
Reproductive toxicity	Classified as not a reproductive toxin
STOT-single exposure	Classified as not causing organ damage
STOT-repeated exposure	Classified as not causing organ damage on repeat exposure
Aspiration hazard	Solution does not present an aspiration hazard.

### 11.2 Information on other hazards

Endocrine disrupting properties	No information available
Other information	No information available

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## **Section 12: Ecological information**

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### **12.1 Toxicity**

No additional information.

### **12.2 Persistence and degradability**

Readily biodegradable.

### **12.3 Bioaccumulative potential**

No information available.

### **12.4 Mobility in soil**

No information available.

### **12.5 Results of PBT and vPvB assessment**

PBT & vPvB assessment does not apply.

### **12.6 Endocrine disrupting properties**

No information available.

### **12.7 Other adverse effects**

No information available.

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## **Section 13: Disposal considerations**

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### **13.1 Waste treatment methods**

Disposal should be in accordance with the principles of Duty of Care observing local and national regulations. Keep out of drains, sewers, ditches, and waterways. Triple rinse contaminated containers prior to disposal.

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## **Section 14: Transport information**

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### **14.1 UN number or ID number**

Not regulated.

### **14.2 UN proper shipping name**

Not regulated.

### **14.3 Transport hazard class(es)**

Not regulated.

#### 14.4 Packing group

Not regulated.

#### 14.5 Environmental hazards

Not applicable.

#### 14.6 Special precautions for user

No additional information.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

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### Section 15: Regulatory information

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#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### European Union

Directive 98/24/EC	Refer to this directive for general risks related to chemical agents at work.
Directive 2012/18/EU	Listed, 50 tonnes.

##### United States

TSCA	CAS# 64-17-5 and 7664-41-7 are listed in the TSCA inventory.
Health & Safety Reporting List	None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules	None of the chemicals in this product are under Chemical Test Rules
Section 12b	None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rules	None of the chemicals in this material have a SNUR under TSCA.
SARA Section 302 (RQ)	7664-41-7 RQ 100 lbs.
SARA Section 302 (TPQ)	7664-41-7 TPQ 500 lbs.
SARA Codes	7664-41-7 311/312 Sudden Release of Pressure Hazard
Section 313 Reportable Ingredients (40 CFR 372)	7664-41-7 >90%.
Clean Air Act	This material does not contain any hazardous air pollutants. This material does not contain any Class I Ozone-Depleting Substances. This material does not contain any Class II Ozone-Depleting Substances.
Clean Water Act	7664-41-7 is listed in Table 166.4A in the Clean Water Act list of hazardous substances.
OSHA	7664-41-7 TQ 10000

##### State Regulations

CAS # 64-17-5 and CAS# 7664-41-7 are present on state lists from CA, PA, MN, NJ  
 CAS # 7664-41-7 is present on the state list from FL, WA  
 CAS # 64-17-5 and CAS# 7664-41-7 are not present on state lists from MA

##### Canada

DSL List	CAS# 64-17-5 and 7664-41-7 are listed
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## 15.2 Chemical safety assessment

A chemical safety assessment has not been completed for this material.

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## Section 16: Other information

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### Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists, United States
CAS	Chemical Abstracts Service, American Chemical Society
CEN	European Committee for Standardization, European Union
CFR	Code of Federal Regulations, United States
DSL	Domestic Substance List, Canada
EC	European Commission
EH40	Workplace exposure limits, United Kingdom
GHS	Globally Harmonized System of Classification and Labelling of Chemicals developed by the United Nations
IARC	International Agency for Research on Cancer, World Health Organization
LD50	Lethal Dose 50% of a test population during a specified time interval
NIOSH	National Institute for Occupational Safety and Health, United States
NTP	National Toxicology Program, United States
OSHA	Occupational Health and Safety, United States
PBT	Persistent, Bioaccumulative, and Toxic
PST/PDT	Pacific Standard Time/Pacific Daily Time: Time zone information
REACH	Regulation on the Registration, Evaluation, Authorization, and Restriction of Chemicals, European Union
RQ	Reportable Quantity (SARA)
SARA	Superfund Amendments and Reauthorization Act, United States
STOT	Specific Target Organ Toxicity
TPQ	Threshold Planning Quantity (SARA)
TSCA	Toxic Substances Control Act, United States
vPvB	Very Persistent and Very Bioaccumulative

### Information Sources

International, national, and state regulatory sources.

### Notice

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