

## Section 1. Identification

<b>Product name</b>	Acetic Acid Chemically Pure, Food Grade
<b>Other means of identification</b>	Acetic acid. Ethanoic acid; Ethylic acid; Methanecarboxylic acid; Eisessig; Acetic acid, glacial
<b>SDS #</b>	0000000787
<b>Code</b>	0000000787
<b>Chemical formula</b>	C2-H4-O2

### Relevant identified uses of the substance or mixture and uses advised against

<b>Product use</b>	Industrial applications For specific application advice see appropriate Technical Data Sheet or consult our company representative.
<b>Supplier</b>	INEOS US Chemicals Company 150 West Warrenville Road Naperville, Illinois 60563-8460 USA
<b>EMERGENCY SPILL INFORMATION:</b>	+1-800-424-9300 (CHEMTREC USA) +1-703-527-3887 (CHEMTREC outside the US)

## Section 2. Hazards identification

<b>OSHA/HCS status</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Classification of the substance or mixture</b>	FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1

### GHS label elements

#### Hazard pictograms



<b>Signal word</b>	Danger
<b>Hazard statements</b>	Flammable liquid and vapor. Causes severe skin burns and eye damage.

### Precautionary statements

<b>Prevention</b>	Wear protective gloves. Wear protective clothing. Wear eye or face protection: Recommended: Chemical splash goggles. Face shield.. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Keep container tightly closed. Wash hands thoroughly after handling.
<b>Response</b>	<b>IF INHALED:</b> Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. <b>IF SWALLOWED:</b> Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. <b>IF ON SKIN (or hair):</b> Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or physician. Wash contaminated clothing before reuse. <b>IF IN EYES:</b> 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.
<b>Storage</b>	Store locked up. Store in a well-ventilated place. Keep cool.

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## Section 2. Hazards identification

<b>Disposal</b>	Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	Not applicable.
<b>Hazards not otherwise classified</b>	Corrosive to respiratory tract

## Section 3. Composition/information on ingredients

**Substance/mixture** Substance

<b>Ingredient name</b>	<b>CAS number</b>	<b>%</b>
Acetic acid	64-19-7	100

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 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

<b>Eye contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention immediately. Chemical burns must be treated promptly by a physician.
<b>Skin contact</b>	Get medical attention immediately. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Drench contaminated clothing with water before removing. This is necessary to avoid the risk of sparks from static electricity that could ignite contaminated clothing. Contaminated clothing is a fire hazard. Contaminated leather, particularly footwear, must be discarded. Clean shoes thoroughly before reuse. Chemical burns must be treated promptly by a physician.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention immediately. Chemical burns must be treated promptly by a physician. If swallowed, rinse mouth with water (only if the person is conscious). If affected person is conscious, give plenty of water to drink.
<b>Protection of first-aiders</b>	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.

### Most important symptoms/effects, acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	Treatment should in general be symptomatic and directed to relieving any effects.
<b>Specific treatments</b>	No specific treatment.

## Section 5. Fire-fighting measures

### Extinguishing media

#### **Suitable extinguishing media**

Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog).

#### **Unsuitable extinguishing media**

Do not use water jet. The use of a water jet may cause the fire to spread by splashing the burning product.

#### **Specific hazards arising from the chemical**

Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Vapors can form explosive mixtures with air. Vapors are heavier than air and can spread along the ground or float on water surfaces to remote ignition sources. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

#### **Hazardous combustion products**

Combustion products may include the following:  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)

#### **Special protective actions for fire-fighters**

DO NOT FIGHT FIRE WHEN IT REACHES MATERIAL. Withdraw from area and allow the fire to burn. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

#### **Special protective equipment for fire-fighters**

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

#### **Special remarks on explosion hazards**

May form explosive mixtures with air.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### **For non-emergency personnel**

Immediately contact 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. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling. Eliminate all ignition sources.

#### **For emergency responders**

Entry into a confined space or poorly ventilated area contaminated with vapor, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. 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 containment and cleaning up

#### **Small spill**

Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. The method and equipment used must be in conformance with appropriate regulations and industry practice on explosive atmospheres.

#### **Large spill**

Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Dike spill area and do not allow product to reach sewage system and surface or ground water. 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. Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilled product. The method and equipment used must be in conformance with appropriate regulations and industry practice on explosive atmospheres. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Do not reuse container. Empty containers retain product residue and can be hazardous.

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. 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. Protect from freezing.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Acetic acid	<b>ACGIH TLV (United States).</b> STEL: 37 mg/m <sup>3</sup> 15 minutes. Issued/Revised: 9/1994 STEL: 15 ppm 15 minutes. Issued/Revised: 9/1994 TWA: 25 mg/m <sup>3</sup> 8 hours. Issued/Revised: 9/1994 TWA: 10 ppm 8 hours. Issued/Revised: 9/1994 <b>OSHA PEL (United States).</b> TWA: 25 mg/m <sup>3</sup> 8 hours. Issued/Revised: 6/1993 TWA: 10 ppm 8 hours. Issued/Revised: 6/1993

While specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

#### Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

## Section 8. Exposure controls/personal protection

### Environmental exposure controls

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 measures

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

Recommended: Chemical splash goggles. Face shield.

#### Skin protection

##### Hand protection

Wear chemical resistant gloves. Butyl rubber gloves.

Do not re-use gloves. Protective gloves must give suitable protection against mechanical risks (i.e. abrasion, blade cut and puncture). Protective gloves will deteriorate over time due to physical and chemical damage. Inspect and replace gloves on a regular basis. The frequency of replacement will depend upon the circumstances of use.

##### Body protection

Use of protective clothing is good industrial practice. 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.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Wear suitable protective clothing.

Footwear highly resistant to chemicals.

When there is a risk of ignition wear inherently fire resistant protective clothes and gloves.

When there is a risk of ignition from static electricity, wear anti-static protective clothing. For greatest effectiveness against static electricity, overalls, boots and gloves should all be anti-static.

When the risk of skin exposure is high (from experience this could apply to the following tasks: cleaning work, maintenance and service, filling and transfer, taking samples and cleaning up spillages) then a chemical protective suit and boots will be required.

Work clothing / overalls should be laundered on a regular basis. Laundering of contaminated work clothing should only be done by professional cleaners who have been told about the hazards of the contamination. Always keep contaminated work clothing away from uncontaminated work clothing and uncontaminated personal clothes.

#### Recommended:

Hard hat.

Chemical resistant boots.

Chemical resistant apron

Full chemical protective suit with a hood.

Chemical protective suit consisting of a jacket and trousers. The jacket should be buttoned up to the neck, sleeves sealed at the gloves, and trouser legs worn outside the boots. These precautions are required to prevent the clothing from accidentally trapping product against the skin.

##### Other skin protection

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

Use only with adequate ventilation. Do not breathe vapor or mist. If ventilation is inadequate, use NIOSH-certified respirator which will protect against organic vapor. If operating conditions cause high vapor concentrations or the TLV is exceeded, use supplied-air respirator.

If there is a requirement for the use of a respiratory protective device, but the use of breathing apparatus (independent of ambient atmosphere) is not required, then a suitable filtering device must be worn.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/

## Section 8. Exposure controls/personal protection

aerosol/particulates) that may arise when handling the product.

## Section 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Color	Clear Colorless.
Odor	Vinegar Pungent. [Strong]
Odor threshold	0.48 ppm
pH	2.4 [Conc. (% w/w): 6.006%]
Melting point	May start to solidify at the following temperature: 16.6°C (61.9°F)
Boiling point	117.9°C (244.2°F)
Flash point	Open cup: 39°C (102.2°F) [Pensky-Martens.]
Evaporation rate	0.97 (butyl acetate = 1)
Flammability (solid, gas)	Not applicable. Based on - Physical state
Lower and upper explosive (flammable) limits	Lower: 4% Upper: 16%
Vapor pressure	0.2 kPa (1.52 mm Hg)
Vapor density	2.1 [Air = 1]
Density	1049 kg/m <sup>3</sup> (1.049 g/cm <sup>3</sup> ) at 20°C
Solubility	Miscible in water. (100%)
Solubility	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	-0.17
Auto-ignition temperature	463°C (865.4°F)
Decomposition temperature	460 to 595°C (860 to 1103°F)
Viscosity	Kinematic: 1.17 mm <sup>2</sup> /s (1.17 cSt) at 20°C
Remarks	Boiling point typical value: 117.4 °C to 117.9 °C (243.3 °F to 244.2 °F)

## Section 10. Stability and reactivity

Reactivity	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	Keep away from heat, sparks and flame. This product should be stored away from oxidizing materials and strong bases.
Incompatible materials	Reactive with metals, oxidizing materials, reducing agents, alkalis and alcohols
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Test	Species	Result	Exposure	Remarks
Acetic acid	LC50 Inhalation Vapor	Mouse	5620 ppm	1 hours	-
	LC50 Inhalation Vapor	Rat	>16000 ppm	4 hours	-
	LD50 Oral	Mouse	4960 mg/kg	-	Based on sodium acetate
	LD50 Oral	Rat	3530 mg/kg	-	-
	LD50 Oral	Rat	3310 mg/kg	-	Based on sodium acetate
	RD50 Inhalation Vapor	Mouse - Male	277 ppm	1 hours	-

**Conclusion/Summary** Not available.

#### Irritation/Corrosion

Product/ingredient name	Species	Result	Score	Exposure	Observation	Conc.	Remarks
Acetic acid	Rabbit	Skin - Slightly irritating to the skin.	-	4 hours 3.3 %	72 hours	3.3 %	-
	Rabbit	Skin - Slightly irritating to the skin.	-	4 hours 10 %	72 hours	10 %	-
	Rabbit	Eyes - Irritant	-	4 hours 0.1 ml, 10 %	72 hours	0.1 ml, 10 %	-
	Rabbit	Eyes - Severe irritant	-	0.01 ml, 10 %	-	0.01 ml, 10 %	-
	Rabbit	Eyes - Cornea opacity	-	3 minutes 0.1 ml, 5 %	7 days	0.1 ml, 5 %	-

#### Mutagenicity

Product/ingredient name	Test	Experiment	Result	Remarks
Acetic acid	OECD 476	Experiment: In vitro Subject: Mammal - species unspecified	Negative	Based on Acetic anhydride
	OECD 473	Experiment: In vitro Subject: Mammal - species unspecified	Negative	-
	OECD 471	Experiment: In vitro Subject: Non-mammalian species	Negative	-
	OECD 474	Experiment: In vivo Subject: Unspecified	Negative	Based on Acetic anhydride

**Conclusion/Summary** Not classified. Based on available data, the classification criteria are not met.

#### Reproductive toxicity

## Section 11. Toxicological information

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Result	Exposure
Acetic acid	-	-	Negative	Rabbit	Oral	13 days
	-	-	Negative	Rat	Oral	10 days
	-	-	Negative	Mouse	Oral	10 days

**Conclusion/Summary**  
 Development: Not classified. Based on available data, the classification criteria are not met. Assessment was by using a weight of evidence approach.  
 Fertility: Not classified. Based on available data, the classification criteria are not met. Assessment was by using a weight of evidence approach.  
 Effects on or via lactation: Not classified. Based on available data, the classification criteria are not met. Assessment was by using a weight of evidence approach.

**Information on the likely routes of exposure**  
 Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** Causes serious eye damage.  
**Skin contact** Causes severe burns.  
**Inhalation** May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.  
**Ingestion** Causes burns to mouth, throat and stomach.

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

**Eye contact** Adverse symptoms may include the following:  
 pain  
 watering  
 redness  
**Skin contact** Adverse symptoms may include the following:  
 pain or irritation  
 redness  
 blistering may occur  
**Inhalation** Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing  
**Ingestion** Adverse symptoms may include the following:  
 stomach pains

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

#### Short term exposure

**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 effects

**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.  
**Developmental effects** No known significant effects or critical hazards.  
**Fertility effects** No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates



## Section 11. Toxicological information

<b>Route</b> Oral	<b>ATE value</b> 3530 mg/kg
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### Other information

Acetic Acid: Humans unacclimatized to acetic acid vapors experience extreme eye and nasal irritation at concentrations above 25 ppm. Air concentrations of 50 ppm are considered intolerable, causing intense lacrymation (eye weeping), nose, and throat irritation. Repeated exposures to high concentrations in man can cause eye conjunctival lesions, blackening of the hands, hyperkeratosis (thickening) of the skin, teeth erosion, congestion and edema of the pharynx, bronchial constriction, and respiratory tract irritation.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Species	Test/Result	Exposure	Effects	Remarks
Acetic acid	Algae	Acute EC50 >300.82 mg/l Nominal Marine water	72 hours	(growth rate)	Based on Acetate ion
	Daphnia	Acute EC50 >300.82 mg/l Nominal Fresh water	48 hours	Mobility	Based on Acetate ion
	Fish	Acute LC50 >300.82 mg/l Nominal Fresh water	96 hours	Mortality	Based on Acetate ion
	Algae	Acute NOEC 300.82 mg/l Nominal Marine water	72 hours	(growth rate)	Based on Acetate ion
	Micro-organism	Acute NOEC 850 mg/l Nominal Fresh water	16 hours	-	-

**Conclusion/Summary** Not classified as dangerous.

### Persistence and degradability

Readily biodegradable

Product/ingredient name	Test	Result	Remarks
Acetic acid	not guideline	96 % - Readily - 20 days	-
	not guideline	50 % - 26.7 days	Phototransformation in Air
	not guideline	50 % - 2 days	Biodegradation in Soil

**Conclusion/Summary** Not available.

### Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** Not available.

**Mobility** This product may move with surface or groundwater flows because its water solubility is: 100% Miscible in water.

## Section 12. Ecological information

**Other ecological information** expected to be slightly toxic to aquatic species because of acidity

## Section 13. Disposal considerations

**Disposal methods** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
<b>UN number</b>	UN2789	UN2789	UN2789	UN2789
<b>UN proper shipping name</b>	ACETIC ACID, GLACIAL RQ	ACETIC ACID, GLACIAL	ACETIC ACID, GLACIAL	Acetic acid, glacial
<b>Transport hazard class(es)</b>	8 (3) 	8 (3) 	8 (3) 	8 (3) 
<b>Packing group</b>	II	II	II	II
<b>Environmental hazards</b>	No.	No.	No.	No.
<b>Additional information</b>	<p><b>Reportable quantity</b> 5000 lbs / 2270 kg [571.66 gal / 2164 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.</p> <p><b>Limited quantity</b> Yes.</p> <p><b>Packaging instruction</b> Exceptions: 154. Non-bulk: 202. Bulk: 243.</p> <p><b>Quantity limitation</b> Passenger aircraft/rail: 1 L. Cargo aircraft: 30 L.</p> <p><b>Special provisions</b> A3, A6, A7, A10, B2, IB2, T7, TP2</p>	<p>Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8), 2.18-2.19 (Class 3).</p> <p><b>Explosive Limit and Limited Quantity Index</b> 0.5 <b>ERAP Index</b> 3000 <b>Passenger Carrying Road or Rail Index</b> 1</p>	<p><b>Emergency schedules</b> F-E, S-C</p>	<p><b>Quantity limitation</b> Passenger and Cargo Aircraft: 1 L. Packaging instructions: 851. Cargo Aircraft Only: 30 L. Packaging instructions: 855. Limited Quantities - Passenger Aircraft: 0.5 L. Packaging instructions: Y840.</p>

## Section 14. Transport information

<b>Special precautions for user</b>	Not available.		
<b>Transport in bulk according to IMO instruments</b>	<b>Proper shipping name</b>	Acetic acid.	
	<b>Ship type</b>	3	
	<b>Pollution category</b>	Z	

## Section 15. Regulatory information

### U.S. Federal regulations

**United States inventory (TSCA 8b)** All components are active or exempted.

#### [SARA 302/304](#)

##### [Composition/information on ingredients](#)

No products were found.

#### [SARA 311/312](#)

**Classification**  
FLAMMABLE LIQUIDS - Category 3  
SKIN CORROSION - Category 1A  
SERIOUS EYE DAMAGE - Category 1  
HNOC - Corrosive to digestive tract

#### [SARA 313](#)

**Form R - Reporting requirements** This product does not contain any hazardous ingredients at or above regulated thresholds.

**Supplier notification** This product does not contain any hazardous ingredients at or above regulated thresholds.

### State regulations

#### Massachusetts

The following components are listed: ACETIC ACID; ACETIC ACID GLACIAL

#### New Jersey

The following components are listed: ACETIC ACID; ETHANOIC ACID

#### Pennsylvania

The following components are listed: ACETIC ACID; ACETIC ACID, WATER SOLUTIONS

#### California Prop. 65

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

### Other regulations

**Australia inventory (AICS)** All components are listed or exempted.

**Canada inventory** All components are listed or exempted.

**China inventory (IECSC)** All components are listed or exempted.

**Japan inventory (ENCS)** All components are listed or exempted.

**Korea inventory (KECI)** All components are listed or exempted.

**Philippines inventory (PICCS)** All components are listed or exempted.

**Taiwan Chemical Substances Inventory (TCSI)** All components are listed or exempted.

**REACH Status** The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

## Section 16. Other information

### [National Fire Protection Association \(U.S.A.\)](#)



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<b>Version</b> 2.01 <b>Date of issue</b> 05/27/2021.	<b>Format</b> US	<b>Language</b> ENGLISH

## Section 16. Other information

### History

**Date of issue/Date of revision** 05/27/2021.

**Date of previous issue** 01/17/2020.

**Prepared by** Product Stewardship

### Key to abbreviations

ACGIH = American Conference of Industrial Hygienists  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS Number = Chemical Abstracts Service Registry Number  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = 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)  
OEL = Occupational Exposure Limit  
SDS = Safety Data Sheet  
STEL = Short term exposure limit  
TWA = Time weighted average  
UN = United Nations  
UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.  
Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

✔ Indicates information that has changed from previously issued version.

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