



# SAFETY DATA SHEET

Preparation Date: 5/27/2014 Revision Date: 4/26/2018 Revision Number: G4

# 1. IDENTIFICATION

**Product identifier** 

Product code: A1720

Product Name: ACETIC ACID, GLACIAL

Other means of identification

Synonyms: Glacial Acetic Acid

CAS #: 64-19-7
RTECS # AF1225000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Laboratory reagent.
Uses advised against No information available

**Supplier:** Spectrum Chemical Mfg. Corp

14422 South San Pedro St.

Gardena, CA 90248 (310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone numberChemtrec 1-800-424-9300Contact Person:Martin LaBenz (West Coast)Contact Person:Ibad Tirmiz (East Coast)

# 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Flammable liquids	Category 3

#### Label elements

# Danger

#### Hazard statements

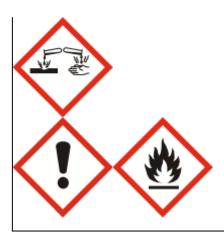
Harmful in contact with skin

Harmful if inhaled

Causes severe skin burns and eye damage

Flammable liquid and vapor

Product code: A1720 Product name: ACETIC ACID. 1/14



## Hazards not otherwise classified (HNOC)

Not Applicable

#### Other hazards

May be harmful if swallowed Harmful to aquatic life with long lasting effects Harmful to aquatic life

## **Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/.../equipment
Use only non-sparking tools

## **Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

Take precautionary measures against static discharge

In case of fire: Use CO2, dry chemical, or foam to extinguish.

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 doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

# **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

# **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Acetic Acid, glacial	64-19-7	100

#### 4. FIRST AID MEASURES

Product code: A1720 Product name: ACETIC ACID, 2 / 14

#### First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect

himself.

**Skin Contact:** Wash off immediately with soap and plenty of water. Continue flushing with plenty of water

for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical

attention is required. Call a physician immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a

physician immediately.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial

respiration. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is

required. Call a physician immediately.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. If victim is conscious, give water or milk. Immediate medical attention

is required. Call a physician or Poison Control Center immediately.

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

**Symptoms** Severe skin and eye irritation or burns

May cause abdominal pain, nausea, vomiting, diarrhea

Burning sensation in the mouth and stomach Can burn mouth, throat, and stomach

Thirst

Irritating to respiratory system

May cause bronchitis

May cause build-up of fluid in the lungs (pulmonary edema) Dyspnea (Shortness of breath and difficulty breathing)

Coughing and wheezing

Sneezing

May cause central nervous system effects

Convulsions

Blackening and erosion of teeth

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

Notes to Physician: Treat symptomatically.

#### **Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

# 5. FIRE-FIGHTING MEASURES

**Extinguishing Media** 

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Alcohol-resistant

foam. Water spray.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter

and spread fire.

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# Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

**Specific hazards:** Flammable. May be ignited by heat, sparks or flames.

Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may

produce irritating, corrosive and/or toxic gases.

**Special Protective Actions for Firefighters** 

**Specific Methods:**Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with

flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

# 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid

contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed

spaces.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Prevent entry into waterways, sewers, basements or confined areas. In case of

large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk.

**Methods for cleaning up**Neutralize with Sodium carbonate or Sodium bicarbonate. Dilute with water.

Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools.

Clean contaminated surface thoroughly.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

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Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

# **Technical Measures/Storage Conditions:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

## **Incompatible Materials:**

Oxidizing agents Reducing agents Metals Bases Acids

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Control parameters

# **National occupational exposure limits**

#### **United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Acetic Acid, glacial	64-19-7	10 ppm TWA 25 mg/m³ TWA	10 ppm TWA 25 mg/m³ TWA 15 ppm STEL 37 mg/m³ STEL	15 ppm STEL 10 ppm TWA	None

## Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Acetic Acid, glacial	64-19-7	10 ppm TWA 25 mg/m³ TWA 15 ppm STEL 37 mg/m³ STEL	10 ppm TWA 15 ppm STEL	10 ppm TWA 15 ppm STEL	10 ppm TWAEV 25 mg/m³ TWAEV 15 ppm STEV 37 mg/m³ STEV

#### **Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Acetic Acid, glacial	64-19-7	15 ppm STEL 37 mg/m³ STEL	10 ppm TWA 25 mg/m³ TWA 15 ppm STEL 37 mg/m³ STEL
		10 ppm TWA 25 mg/m³ TWA	

## Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ven

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

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## **Personal Protective Equipment**

**Eye protection:** Face-shield and Goggles

**Skin and body protection:** Chemical resistant protective suit

Gloves Boots

**Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or

smoke. Wash hands before breaks and immediately after handling the product.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Appearance: Color:

Liquid No information available. Clear. Colorless.

Odor:TasteFormula:Pungent. Vinegar-like. Sour.Vinegar. Sour.C2-H4-O2

Molecular/Formula weight:Flammability:Flashpoint (°C/°F):60.05No information available39 °C/102.2 °F

o information available 39 °C/102.2 °F 43 °C/109.4 °F

Flash Point Tested according to: Autoignition Temperature (°C/°F): Lower Explosion Limit (%):

Closed cup 463 °C/865 °F 4%

Open cup

Upper Explosion Limit (%): Melting point/range(°C/°F): Decomposition temperature(°C/°F):

19.9% 16.6 °C/619. °F No information available

Boiling point/range(°C/°F): Bulk density: Density (g/cm3): 118.1 °C/244.6 °F No information available

Specific gravity: pH: Vapor pressure @ 20°C (kPa): 1.049 pH of a 1% solution: 2 [Acidic] 1.5

production. 2 [rodo]

Evaporation rate: Vapor density: VOC content (g/L):
No information available 2.07 No information available

Odor threshold (ppm): Partition coefficient Viscosity:

0.48 (n-octanol/water): No information available

-0.2

Miscibility: Solubility:

Miscible with alcohol Freely soluble in water
Miscible with Benzene Soluble in Acetone
Miscible with Carbon tetrachloride Soluble in Ether

Miscible with Glycerol Practically insoluble in Carbon

tetrachloride

# 10. STABILITY AND REACTIVITY

#### Reactivity

Reacts violently with strong oxidizing agents, acetaldehyde, and acetic anhydride. It can react with metals, strong bases, amines, carbonates, hydroxides, phosphates, many oxides, cyanides, sulfides, chromic acid, nitric acid, hydrogen peroxide, carbonates. ammonium nitrate, ammonium thiosulfate, chlorine trifluoride, chlorosulfonic acid, perchloric acid, permanganates, xylene, oleum, potassium hydroxide, sodium hydroxide, phosphorus isocyanate, ethylenediamine, ethylene imine. Acetic acid vapors may form explosive mixtures with air. Reactions between acetic acid and the following materials are potentially explosive: 5-azidotetrazole, bromine pentafluoride, chromium trioxide, hydrogen peroxide, potassium permanganate, sodium peroxide, and phorphorus trichloride. Dilute acetic acid and dilute hydrogen can undergo an exothermic reaction if heated, forming peracetic acid which is

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explosive at 110 degrees C.Reaction between chlorine trifluoride and acetic acid is very violent, sometimes explosive.

**Chemical stability** 

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Oxidizing agents

Reducing agents

Metals Bases Acids

**Hazardous decomposition** 

products:

carbon oxides.

Other Information

Highly corrosive in the presence of stainless steel (304) Corrosivity:

Slightly corrosive in presence of aluminum

Non-corrosive in presence of stainless steel (316)

Moderate corrosive effect on bronze

Special Remarks on Corrosivity: No corrosion data on brass

# 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

# **Principal Routes of Exposure:**

Skin. Ingestion. Inhalation. Eyes.

#### **Acute Toxicity**

#### **Component Information**

Acetic Acid, glacial

CAS-No. 64-19-7

LD50/oral/rat = 3310 mg/kg Oral LD50 Rat LD50/oral/mouse = 3530 mg/kg

LD50/dermal/rabbit = 1060 mg/kg Dermal LD50 Rabbit

**LD50/dermal/rat** = No information available

LC50/inhalation/rat = 11.4 mg/L Inhalation LC50 Rat 4 h

LC50/inhalation/mouse = 5620 ppm 1 h

Other LD50 or LC50information = No information available

#### **Product Information**

LD50/oral/rat =

VALUE- Acute Tox Oral = 3310 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 3530 mg/kg

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LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 1060 mg/kg

LD50/dermal/rat

**VALUE -Acute Tox Dermal =** No information available

LC50/inhalation/rat

VALUE-Vapor = 11.4 mg/l (4-hr)
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

**VALUE-Vapor** = No information available

**VALUE - Gas =** 5620 ppm 1 hr

VALUE - Dust/Mist = No information available

**Symptoms** 

**Skin Contact:** Corrosive. Severe skin irritation. Causes skin burns. Can cause burning pain,

inflammation and blisters. Harmful in contact with skin. May be absorbed through

the skin in harmful amounts.

**Eye Contact:** Severe eye irritation. Causes lacrimation. Causes conjunctivitis. Causes

conjunctival irritation. Causes eye burns. Causes corneal damage. May cause

blurred or foggy vision. May cause permanent injury.

Inhalation Harmful by inhalation. Causes severe respiratory tract irritation. May cause

chemical pneumonitis, bronchitis, and pulmonary edema. Severe exposure may result in lung tissue damage and corrosion (ulceration) of the mucous membranes. Inhalation may also cause rhinitis, sneezing, coughing, oppressive feeling in the chest or chest pain, dyspnea, wheezing, tachypnea, cyanosis, salivation, nausea,

giddiness, muscular weakness.

Ingestion Causes digestive (gastrointestinal) tract irritation. Causes digestive or

gastrointestinal tract burns. Symptoms include burning and pain of the mouth, throat, and abdomen, coughing, ulceration, bleeding, nausea, abdomial spasms, vomiting, hematemesis, diarrhea. May cause perforation of the digestive tract. May cause permanent damage of the esophagus and digestive tract. May Also affect the liver (impaired liver function), behavior (convulsions, giddines, muscular weakness), and the urinary system - kidneys (Hematuria, Albuminuria, Nephrosis, acute renal failure, acute tubular necrosis). May also cause dyspnea or asphyxia.

May also lead to shock, coma and death. May cause thirst.

**Aspiration hazard** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Chronic exposure via ingestion may cause blackening or erosion of the teeth and

jaw necrosis, pharyngitis, and gastritis. It may also behavior (similar to acute

ingestion), and metabolism (weight loss).

Chronic exposure via inhalation may cause asthma and/or bronchitis with cough, wheezing, phlegm, and/or shortness of breath . Some researchers consider acetic acid capable of causing a syndrome known as "reactive airways dysfunction." or RADS. This syndrome resembles bronchial asthma, but differs in that exposure to small doses does not cause a reaction a few weeks after onset. It may also affect

the blood (decreased leukocyte count), and urinary system (kidneys). Repeated or prolonged skin contact may cause thickening, blackening, and

cracking of the skin.

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**Sensitization:** No information available.

Mutagenic Effects: Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

Cytogenic analysis - hamster ovary

Sister Chromatid Exchange (human lymphocyte)

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Acetic Acid, glacial	64-19-7	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

**Specific Target Organ Toxicity** 

**STOT - single exposure**STOT - repeated exposure
No information available.
No information available.

Target Organs: Teeth. Respiratory system. Lungs. Skin.

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

**Ecotoxicity effects:** Aquatic environment.

Acetic Acid, glacial - 64-19-7

Freshwater Fish Species Data: 79 mg/L LC50 Pimephales promelas 96 h static 1 75 mg/L LC50 Lepomis

macrochirus 96 h static 1

Water Flea Data: 65 mg/L EC50 Daphnia magna 48 h 47 mg/L EC50 Daphnia magna 24 h

Persistence and degradability: No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

# 13. DISPOSAL CONSIDERATIONS

# **Disposal Methods**

Waste from residues / unused products:

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Waste must be disposed of in accordance with Federal, State and Local regulation.

# Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Acetic Acid, glacial	64-19-7				None

# 14. TRANSPORT INFORMATION

DOT

UN-No: UN2789

**Proper Shipping Name:** Acetic acid solution

**Hazard Class: Subsidiary Class** 3 Ш Packing group:

Emergency Response Guide No information available

Number

**Marine Pollutant** No data available DOT RQ (lbs): No information available **Special Provisions** No Information available

[DOT]: (R5) - Identifies a material that is a hazardous substance that has a Symbol(s):

reportable quantity (RQ) of 5000 pounds (2270 Kilograms).

UN2789, Acetic acid, glacial ,8,(3),,PG II **Description:** 

TDG (Canada)

UN-No: UN2789

**Proper Shipping Name:** Acetic acid solution

**Hazard Class: Subsidiary Risk:** 3 Ш Packing Group:

**Marine Pollutant** No Information available

**Description:** ACETIC ACID, GLACIAL,8,UN2789,PG II

**ADR** 

UN2789 UN-No:

**Proper Shipping Name:** Acetic acid solution

**Hazard Class:** Ш **Packing Group: Subsidiary Risk:** 3

Description: UN2789 Acetic acid, glacial,8,II

IMO / IMDG

UN2789 UN-No:

Acetic acid solution **Proper Shipping Name:** 

**Hazard Class: Subsidiary Risk:** 3 Ш Packing Group:

No information available Marine Pollutant

EMS: F-E

RID

UN-No: UN2789

**Proper Shipping Name:** Acetic acid solution

**Hazard Class: Subsidiary Risk:** 8 + 3**Packing Group:** Ш

Product code: A1720 Product name: ACETIC ACID, 10/14

**Description:** UN2789 Acetic acid, glacial,8,II,RID

**ICAO** 

**UN-No:** UN2789

Proper Shipping Name: Acetic acid solution

Hazard Class: 8
Subsidiary Risk: 3
Packing Group: II

**Description:** Acetic acid, glacial,8(3),UN2789,PG II

IATA

**UN-No:** UN2789

Proper Shipping Name: Acetic acid solution

Hazard Class: 8
Subsidiary Risk: 3
Packing Group: II
ERG Code: 8F

Special Provisions No information available

**Description:** UN2789, Acetic acid, glacial, 8(3), PG II

# 15. REGULATORY INFORMATION

#### International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Acetic Acid, glacial	64-19-7	PresentACTIV E	Present KE-00013	Present	Present (2)-688	Present	Present	Present 200-580-7

#### **U.S. Regulations**

Acetic Acid, glacial

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0004

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances:

5000 lb RQ 100 lb RQ

Louisana Reportable Quantity List for Pollutants: 5000lbfinal RQ

2270kgfinal RQ

California Directors List of Hazardous Substances: Present

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1005

FDA - 21 CFR - Total Food Additives 133.123, 133.124, 133.169, 133.173, 133.178, 133.179, 172.814, 173.370, 184.1005, 73.85

#### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

#### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

#### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male	Female
		_		Reproductive	Reproductive
				Toxicity	Toxicity:
Acetic Acid, glacial	64-19-7	Not Listed	Not Listed	Not Listed	Not Listed

## CERCLA/SARA

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Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Acetic Acid, glacial		5000 lb final RQ 2270 kg final RQ	None	None	None	None

#### U.S. TSCA

Components		TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Acetic Acid, glacial	64-19-7	Not Applicable	Not Applicable

#### Canada

#### WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component Acetic Acid, glacial 64-19-7 ( 100 ) WHMIS 2015 Hazard Classification

Flammable liquids - Category 3: H226 Flammable liquid and vapour.; Corrosive to Metals - Category 1: H290 May be corrosive to metals. (potentially corrosive to metals; the supplier should be contacted for more information); Acute toxicity - Inhalation - Category 4: H332 Harmful if inhaled.; Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

# WHMIS 1988 Hazard Class

B3 Combustible liquid E Corrosive material

Components
Acetic Acid, glacial

**WHMIS 1988** 

B3,E including 10-80% [Available data does not allow a precise evaluation of the threshold concentration from which solutions meet the B3 criterion], >80% D2B 3-10%

#### **Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Acetic Acid, glacial	1 %

# Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Acetic Acid, glacial	64-19-7	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Acetic Acid, glacial	64-19-7	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Acetic Acid, glacial	64-19-7	Not listed

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#### **EU Classification**

#### EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Acetic Acid, glacial	64-19-7	Flammable liquids - Flam. Liq. 3: H226
		Flammable liquid and vapour.; Skin
		corrosion/irritation - Skin Corr. 1A:
		H314 Causes severe skin burns and
		eye damage. (C >= 90
		%)607-002-00-6
		Skin corrosion/irritation - Skin Corr.
		1A: H314 Causes severe skin burns
		and eye damage. (C >= 90 %); Skin
		corrosion/irritation - Skin Corr. 1B:
		H314 Causes severe skin burns and
		eye damage. (25 % <= C <90 %); Skin
		corrosion/irritation - Skin Irrit. 2: H315
		Causes skin irritation. (10 % <= C <25
		%); Serious Eye Damage/Eye Irritation
		- Eye Irrit. 2: H319 Causes serious eye
		irritation. (10 % <= C <25
		%)607-002-00-6

# EU - CLP (1272/2008)

# R-phrase(s)

R35 - Causes severe burns.

R10 - Flammable.

# S -phrase(s)

S23 - Do not breathe gas/fumes/vapor/spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 1/2 - Keep locked up and out of the reach of children.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Acetic Acid, glacial		C; R35	10%<=C<25% Xi; R36/38 90%<=C C; R35 25%<=C<90% C; R34	S: (1/2)-23-26-45

The product is classified in accordance with Annex VI to Directive 67/548/EEC

# Indication of danger:

C - Corrosive. Flammable





# **16. OTHER INFORMATION**

Preparation Date: 5/27/2014

Product code: A1720 Product name: ACETIC ACID, 13 / 14

**Revision Date:** 4/26/2018 Sonia Owen Prepared by:

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This

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**End of Safety Data Sheet** 

Product code: A1720

Product name: ACETIC ACID,