

## SAFETY DATA SHEET

Preparation Date: 4/11/2017

Revision Date: 4/11/2017

Revision Number: G1

### 1. IDENTIFICATION

**Product identifier**

**Product code:** P1326  
**Product Name:** PROPIONIC ACID, FCC

**Other means of identification**

**Synonyms:** Acide propionique (French)  
 Ethanecarboxylic acid  
 Ethylformic acid  
 Metacetic acid  
 Methyl acetic acid  
 Propanoic acid

**CAS #:** 79-09-4  
**RTECS #** UE5950000  
**CI#:** Not available

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Chemical intermediate.  
**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 number** Chemtrec 1-800-424-9300

**Contact 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 3                |
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |
| Flammable liquids                 | Category 3                |

**Label elements**

**Danger**

**Hazard statements**

Toxic in contact with skin

Causes severe skin burns and eye damage  
Flammable liquid and vapor



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

May be harmful if swallowed

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
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  
Take precautionary measures against static discharge

**Precautionary Statements - Response**

*Immediately call a POISON CENTER or doctor/physician*  
In case of fire: Use CO<sub>2</sub>, 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. 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 % |
|----------------|---------|----------|
| Propionic Acid | 79-09-4 | 100      |

**4. FIRST AID MEASURES**

## 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. Remove all contaminated clothes and shoes. Continue flushing with plenty of water for at least 15 minutes. Immediate medical attention is required. Call a physician or Poison Control Centre 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. **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.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. 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 corneal injury. May cause abdominal pain, nausea, vomiting, diarrhea. May cause gastrointestinal (digestive) tract burns. Can burn mouth, throat, and stomach. May cause edema and swelling of the throat. Irritating to respiratory system. May cause chemical burns to the respiratory tract. May cause bronchitis. Dyspnea (Shortness of breath and difficulty breathing). Coughing and wheezing. May cause central nervous system effects.

## 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 (CO<sub>2</sub>). 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.

## Specific hazards arising from the chemical

- Hazardous Combustion Products:** Carbon Dioxide, Carbon Monoxide.
- Specific hazards:** Flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. 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). Reacts with metals to produce flammable hydrogen gas. It will ignite on contact with potassium-tert-butoxide. A mixture of ammonium nitrate and acetic acid ignites when warmed, especially if warmed. (Acetic acid, glacial) 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 phosphorus trichloride. Reaction between chlorine trifluoride and acetic acid is very violent, sometimes explosive. (Acetic acid, glacial).

### **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. Dike fire-control water for later disposal; do not scatter the material.

#### **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.

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

#### **Methods for containment**

Stop leak if you can do it without risk. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

#### **Methods for cleaning up**

Absorb spill with inert material (e.g. vermiculite, dry sand or earth). Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Neutralize the residue with a dilute solution of sodium carbonate. 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**

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 container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials.

**Incompatible Materials:**

Bases  
Oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

**United States**

| Components     | CAS-No. | OSHA | NIOSH  | ACGIH      | AIHA WHEEL |
|----------------|---------|------|--|------------|------------|
| Propionic Acid | 79-09-4 | None | 10 ppm TWA<br>30 mg/m <sup>3</sup> TWA<br>15 ppm STEL<br>45 mg/m <sup>3</sup> STEL | 10 ppm TWA | None       |

**Canada**

| Components     | CAS-No. | Canada - Alberta                       | Canada - British Columbia | Canada - Ontario | Canada - Quebec                            |
|----------------|---------|--|---------------------------|------------------|--|
| Propionic Acid | 79-09-4 | 10 ppm TWA<br>30 mg/m <sup>3</sup> TWA | 10 ppm TWA                | 10 ppm TWA       | 10 ppm TWAEV<br>30 mg/m <sup>3</sup> TWAEV |

**Australia and Mexico**

| Components     | CAS-No. | Australia                              | Mexico |
|----------------|---------|--|--------|
| Propionic Acid | 79-09-4 | 10 ppm TWA<br>30 mg/m <sup>3</sup> TWA | None   |

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**

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**

**Personal Protective Equipment**

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

**Skin and body protection:** Gloves  
Boots  
Chemical resistant apron  
Long sleeved clothing  
If working with large quantities:  
Chemical resistant protective suit

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

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |  |
|--|---|--|
| <b>Physical state:</b><br>Liquid                             | <b>Appearance:</b><br>Oily. Clear.  | <b>Color:</b><br>Colorless.  |
| <b>Odor:</b><br>Slightly. Pungent. Disagreeable.<br>Rancid.  | <b>Taste</b><br>Sour and mildly cheese-like.  | <b>Formula:</b><br>No information available                          |
| <b>Molecular/Formula weight:</b><br>No information available | <b>Flammability:</b><br>No information available                                      | <b>Flashpoint (°C/°F):</b><br>51-54 °C/123.8129.2 °F                 |
| <b>Flash Point Tested according to:</b><br>Closed cup        | <b>Autoignition Temperature (°C/°F):</b><br>465-513 °C/869-955.4 °F                   | <b>Lower Explosion Limit (%):</b><br>2.6-2.9%                        |
| <b>Upper Explosion Limit (%):</b><br>12-17%                  | <b>Melting point/range(°C/°F):</b><br>-21 °C/-5.8 °F                                  | <b>Decomposition temperature(°C/°F):</b><br>No information available |
| <b>Boiling point/range(°C/°F):</b><br>141 °C /285.8 °F       | <b>Bulk density:</b><br>No information available                                      | <b>Density (g/cm3):</b><br>No information available                  |
| <b>Specific gravity:</b><br>0.993-0.998                      | <b>pH:</b><br>No information available  | <b>Vapor pressure @ 20°C (kPa):</b><br>0.3                           |
| <b>Evaporation rate:</b><br>No information available         | <b>Vapor density:</b><br>2.56   | <b>VOC content (g/L):</b><br>No information available                |
| <b>Odor threshold (ppm):</b><br>0.16                         | <b>Partition coefficient (n-octanol/water):</b><br>log Kow = 0.33                     | <b>Viscosity:</b><br>No information available                        |
| <b>Miscibility:</b><br>Miscible with water                   | <b>Solubility:</b><br>Soluble in Alcohol<br>Soluble in Ether<br>Soluble in Chloroform |  |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No information available

**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:** Bases  
Oxidizing agents

**Hazardous decomposition products:** Carbon oxides.

**Other Information**  
**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Skin. Ingestion. Inhalation.

### Acute Toxicity

#### Component Information

Propionic Acid

CAS-No. 79-09-4

**LD50/oral/rat** = 2600 mg/kg (RTECS); 835-5160 (European Chemical Bureau IUCLID dataset); 351 mg/kg Oral LD50 Rat (LOLI)

**LD50/oral/mouse** = 2350-5100 (European Chemical Bureau IUCLID dataset)

**LD50/dermal/rabbit** = 496 mg/kg Dermal LD50 Rabbit (LOLI; 500 mg/kg RTECS)

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

**LC50/inhalation/rat** = 4650 ppm Inhalation LC50 8 hr. Rat (LOLI); >4.9 mg/l 4 hr.(RTECS)

**LC50/inhalation/mouse** = No information available

**Other LD50 or LC50 information** = No information available

#### Product Information

**LD50/oral/rat =**

**VALUE- Acute Tox Oral** = 2600 mg/kg

**LD50/oral/mouse =**

**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**

**VALUE-Acute Tox Dermal** = 500 mg/kg

**LD50/dermal/rat**

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

**LC50/inhalation/rat**

**VALUE-Vapor** = >4.9 mg/l (4-hr)

**VALUE-Gas** = No information available

**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**

**VALUE-Vapor** = No information available

**Product code:** P1326

**Product name:** PROPIONIC ACID,  
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VALUE - Gas = No information available  
 VALUE - Dust/Mist = No information available

**Symptoms**

**Skin Contact:** Causes severe irritation and burns. Toxic in contact with skin.

**Eye Contact:** Causes severe irritation and burns. May cause corneal injury. Possible eye damage.

**Inhalation** Causes irritation and possible burns of the respiratory tract with burning pain in the nose and throat, coughing, sneezing, wheezing, shortness of breath and pulmonary edema. May cause nausea, vomiting. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May cause central nervous system effects, central nervous system depression.

**Ingestion** May cause abdominal pain, nausea, vomiting, diarrhea. May cause digestive (gastrointestinal) tract burns. May cause permanent damage to the digestive tract. May affect behavior/central nervous system (somnolence), respiration (shortness of breath). It may affect behavior/central nervous system (convulsions, excitement). May cause edema and swelling of the throat.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Prolonged or repeated inhalation may cause bronchitis with coughing, phlegm, and/or shortness of breath. Prolonged or repeated inhalation may cause asthma-like allergy and asthma attacks with shortness of breath, wheezing, coughing, and/or chest tightness.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic.

| Components     | CAS-No. | IARC       | ACGIH - Carcinogens | NTP        | OSHA HCS - Carcinogens | Australia - Notifiable Carcinogenic Substances | Australia - Prohibited Carcinogenic Substances |
|----------------|---------|------------|---------------------|------------|------------------------|--|--|
| Propionic Acid | 79-09-4 | 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** No information available.  
**STOT - repeated exposure** No information available.

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**Product name:** PROPIONIC ACID,  
 FCC



**Target Organs:** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects:** Aquatic environment.

*Propionic Acid - 79-09-4*

**Freshwater Algae Data:** 45.8 mg/L EC50 *Desmodesmus subspicatus* 72 h 43 mg/L EC50 *Desmodesmus subspicatus* 96 h

**Freshwater Fish Species Data:** 1 mg/L LC50 *Pimephales promelas* 96 h static 1 73 - 99.7 mg/L LC50 *Lepomis macrochirus* 96 h static 1 51 mg/L LC50 *Oncorhynchus mykiss* 96 h static 1

**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:**

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 |
|----------------|---------|------------------------|------------------------|------------------------|------------------------|
| Propionic Acid | 79-09-4 | None                   | None                   | None                   | None                   |

## 14. TRANSPORT INFORMATION

### DOT

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Subsidiary Class:** 3  
**Packing group:** II  
**Emergency Response Guide Number:** 132  
**Marine Pollutant:** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions:** IB2, T7, TP2  
**Symbol(s):** No information available  
**Description:** UN3463, Propionic acid, 8 (3), II

### TDG (Canada)

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Subsidiary Risk:** No information available  
**Packing Group:** II

**Product code:** P1326

**Product name:** PROPIONIC ACID,  
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**Marine Pollutant Description:** No Information available  
UN3463, Propionic acid, 8 (3), II

**ADR**

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Description:** UN3463, Propionic acid, 8 (3), II

**IMO / IMDG**

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant** No information available  
**EMS:** F-E  
**Description** UN3463, Propionic acid, 8 (3), II

**RID**

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN3463, Propionic acid, 8 (3), II

**ICAO**

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN3463, Propionic acid, 8 (3), II

**IATA**

**UN-No:** UN3463  
**Proper Shipping Name:** Propionic acid  
**Hazard Class:** 8  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 8F  
**Special Provisions** No information available  
**Description:** UN3463, Propionic acid, 8 (3), II

**15. REGULATORY INFORMATION**

**International Inventories**

| Components     | CAS-No. | U.S. TSCA | KOREA KECL          | Philippines (PICCS) | Japan ENCS         | CHINA   | Australia (AICS) | EINECS-No.           |
|----------------|---------|-----------|---------------------|---------------------|--------------------|---------|------------------|----------------------|
| Propionic Acid | 79-09-4 | Present   | Present<br>KE-29352 | Present             | Present<br>(2)-602 | Present | Present          | Present<br>201-176-3 |

**U.S. Regulations**

*Propionic Acid*

**Massachusetts RTK:** Present

**New Jersey RTK Hazardous Substance List:** 1599

**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

**Louisiana 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 184.1081

**FDA - 21 CFR - Total Food Additives** 178.1010, 184.1081

**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 Reproductive Toxicity | Female Reproductive Toxicity: |
|----------------|---------|------------|------------------------|----------------------------|-------------------------------|
| Propionic Acid | 79-09-4 | Not Listed | Not Listed             | Not Listed                 | Not Listed                    |

**CERCLA/SARA**

| 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 |
|----------------|---------|---|---|--|---------------------------------|------------------------------------|
| Propionic Acid | 79-09-4 | 5000 lb final RQ<br>2270 kg final RQ                          | None  | None   | None                            | None                               |

**U.S. TSCA**

| Components     | CAS-No. | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|----------------|---------|---|--|
| Propionic Acid | 79-09-4 | Not Applicable  | Not Applicable                         |

**Canada**

**WHMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

Component  
Propionic Acid  
79-09-4 ( 100 )

WHMIS 2015 Hazard Classification  
Flammable liquids - Category 3: H226 Flammable liquid and vapour.; Acute toxicity - Dermal - Category 3: H311 Toxic in contact with skin.; 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**

**Product code:** P1326

**Product name:** PROPIONIC ACID,  
FCC

B3 Combustible liquid  
 D1B Toxic materials  
 E Corrosive material

**Components**  
**Propionic Acid**

WHMIS 1988  
 B3,D1B,E

**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 - |
|----------------|------------------------------------|
| Propionic Acid | 1 %                                |

**Inventory**

| Components     | CAS-No. | Canada (DSL) | Canada (NDSL) |
|----------------|---------|--------------|---------------|
| Propionic Acid | 79-09-4 | Present      | Not Listed    |

| Components     | CAS-No. | CEPA Schedule I - Toxic Substances                          |
|----------------|---------|---|
| Propionic Acid | 79-09-4 | Not listed  |
| Components     | CAS-No. | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
| Propionic Acid | 79-09-4 | Not listed  |

**EU Classification**

**EU GHS - SV - CLP 172/2008**

| Components     | CAS-No. | EU GHS - SV - CLP (172/2008)   |
|----------------|---------|--|
| Propionic Acid | 79-09-4 | Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (C >= 25 %)<br>Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (C >= 25 %); 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 %); Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (C >= 10 %)<br>607-089-00-0 |

**EU - CLP (1272/2008)**

**R-phrase(s)**

R34 - Causes burns.

**S -phrase(s)**

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

S36 - Wear suitable protective clothing.

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   |
|----------------|---------|----------------|-----------------------|------------------|
| Propionic Acid | 79-09-4 | C; R34         | 10%<=C<25% Xi;        | S:(1/2)-23-36-45 |

|  |  |  |                           |  |
|--|--|--|---------------------------|--|
|  |  |  | R36/37/38<br>25%≤C C; R34 |  |
|--|--|--|---------------------------|--|

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

**Indication of danger:**

C - Corrosive.

C



**16. OTHER INFORMATION**

**Preparation Date:** 4/11/2017  
**Revision Date:** 4/11/2017  
**Prepared by:** Sonia Owen

**Disclaimer:**

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**End of Safety Data Sheet**