

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 28/04/2017 Date of issue: 16/12/2010 Supersedes: 12/11/2014 Version: 2.1

DLM-1919

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **Product identifier**

Product form : Substance

: PROPIONIC ACID (D5, 98%) Substance name 607-089-00-0 (Unlabeled) EC Index No EC No : 201-176-3 (Unlabeled)

CAS No : 60153-92-6 : DLM-1919 Product code : CD3CD2COOH Formula

Synonyms : Propanoic acid / Propanyl acid

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

#### 1.2.1. Relevant identified uses

: Professional use Main use category

Industrial/Professional use spec : For professional use only

#### Uses advised against

No additional information available

#### Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.

50 Frontage Road Andover, MA 01810

USA

USA: 1-800-322-1174 Int: 1-978-749-8000 cilsales@isotope.com www.isotope.com

#### **Emergency telephone number**

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours)

#### **SECTION 2: Hazards identification**

# Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226 Acute Tox. 3 (Dermal) H311 Skin Corr. 1A H314 Eye Dam. 1 H318 STOT SE 3 H335 Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

# Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

C; R35 R10 Xi; R37 R52/53 T; R24 Xi; R41

Full text of R-phrases: see section 16

# **GHS-US** classification

Flam. Liq. 3 H226 Acute Tox. 3 (Dermal) H311 Skin Corr. 1A H314 Eye Dam. 1 H318 STOT SE 3 H335

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H402 Aquatic Acute 3 Aquatic Chronic 3 H412

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)







Signal word (CLP) : Danger

Hazard statements (CLP) : H226 - Flammable liquid and vapour

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H335 - May cause respiratory irritation

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment P260 - Do not breathe dust, fume, gas, mist, spray, vapours P264 - Wash hands, forearms and face thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

#### **GHS-US** labelling

Hazard pictograms (GHS-US)



GHS02





Signal word (GHS-US) : Danger

Hazard statements (GHS-US) H226 - Flammable liquid and vapour

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H335 - May cause respiratory irritation

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US) P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking

P233 - Keep container tightly closed

P240 - Ground/Bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge P260 - Do not breathe dust, fume, gas, mist, spray, vapours P261 - Avoid breathing dust, fume, mist, gas, spray, vapours P264 - Wash hands, forearms and face thoroughly after handling P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear eye protection, face protection, protective clothing, protective gloves

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting

P302+P352 - If on skin: Wash with plenty of water

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a doctor

P312 - Call a doctor if you feel unwell

P321 - Specific treatment (see Hazardous component(s) for labelling on this label)

P322 - Specific treatment (see Hazard pictograms (CLP) on this label)

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P361+P364 - Take off immediately all contaminated clothing and wash it before reuse

P363 - Wash contaminated clothing before reuse

P370+P378 - In case of fire: Use dry sand, dry extinguishing powder, alcohol resistant foam to extinguish

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P403+P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

# **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

| Name                     | Product identifier   | %   | Classification according to<br>Directive 67/548/EEC  |
|--------------------------|--|-----|--|
| PROPIONIC ACID (D5, 98%) | (CAS No) 60153-92-6<br>(EC No) 201-176-3 (Unlabeled)<br>(EC Index No) 607-089-00-0 (Unlabeled) | 100 | C; R35<br>R10<br>Xi; R37<br>R52/53<br>T; R24<br>Xi; R41  |
| Name                     | Product identifier   | %   | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP]  |
| PROPIONIC ACID (D5, 98%) | (CAS No) 60153-92-6<br>(EC No) 201-176-3 (Unlabeled)<br>(EC Index No) 607-089-00-0 (Unlabeled) | 100 | Flam. Liq. 3, H226<br>Acute Tox. 3 (Dermal), H311<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412 |

Full text of R- and H-statements: see section 16

| Name   | Product identifier  | %   | GHS-US classification   |
|--|---------------------|-----|---|
| PROPIONIC ACID (D5, 98%)<br>(Main constituent) | (CAS No) 60153-92-6 | 100 | Flam. Liq. 3, H226 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3. H412 |

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

#### **SECTION 4: First aid measures**

First-aid measures after skin contact

First-aid measures after eye contact

#### 4.1. Description of first aid measures

First-aid measures general

: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Evacuate danger area.

First-aid measures after inhalation : If not breathing, give artificial respiration. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician.

unwell. Immediately call a POISON CENTER or doctor/physician.

: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of

soap and water. Call a physician immediately. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash contaminated clothing before reuse.

: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor/physician.

: Get medical advice/attention if you feel unwell. Rinse mouth. Do not induce vomiting. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries after inhalation

First-aid measures after ingestion

: May cause respiratory irritation.

Symptoms/injuries after skin contact

: Toxic in contact with skin. Causes severe skin burns and eye damage. Repeated exposure to this material can result in absorption through skin causing significant health hazard.

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Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms/injuries after ingestion : May be harmful if swallowed.

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

No additional information available

#### **SECTION 5: Fire-fighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

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

Reactivity : Flammable liquid and vapour.

#### 5.3. Advice for firefighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

#### **SECTION 6: Accidental release measures**

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

smoking

#### 6.1.1. For non-emergency personnel

Emergency procedures

: Use personal protective equipment as required. Avoid dust formation. Avoid breathing vapours, mist, gas. Ensure adequate air ventilation. Remove all sources of ignition. Evacuate unnecessary personnel. Evacuate danger area. Special attention should be given to low areas/pits where flammable vapours can accumulate.

#### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

For containment

: Collect spillage. Clean up any spills as soon as possible, using an absorbent material to collect it. Vacuum with an equipment that avoids ignition risk. This material and its container must be disposed of in a safe way, and as per local legislation.

#### 6.4. Reference to other sections

No additional information available

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Additional hazards when processed

: Provide for appropriate exhaust ventilation at places of vapours accumulation. Avoid all eye and skin contact and do not breathe vapour and mist. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling

: No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Do not breathe dust, fume, gas, mist, spray, vapours. Avoid contact during pregnancy/while nursing. Avoid breathing dust, fume, gas, mist, spray, vapours. Use only outdoors or in a well-ventilated area.

: Wash hands, forearms and face thoroughly after handling.

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

Technical measures

Hygiene measures

: Store in a well-ventilated place. Keep container tightly closed. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Lighting equipment, ventilating equipment. Comply with applicable regulations.

Storage conditions : Store at room temperature away from light and moisture.

#### 7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

| PROPIONIC ACID (D5, 98%) (60153-92-6) |                 |  |
|---------------------------------------|-----------------|--|
| Italy - Portugal - USA ACGIH          | ACGIH TWA (ppm) | 10.00000000 ppm Upper Respiratory Tract irritation. Eye irritation. Skin irritation. USA. ACGIH Threshold Limit Values (TLV) |

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| PROPIONIC ACID (D5, 98%) (60153-92-6) |                            |  |
|---------------------------------------|----------------------------|--|
| USA NIOSH                             | NIOSH REL (TWA) (mg/m³)    | 30 mg/m³ USA. NIOSH Recommended Exposure Limits  |
| USA NIOSH                             | NIOSH REL (TWA) (ppm)      | 10 ppm USA. NIOSH Recommended Exposure Limits  |
| USA NIOSH                             | NIOSH REL (STEL) (mg/m³)   | 45 mg/m³ USA. NIOSH Recommended Exposure Limits  |
| USA NIOSH                             | NIOSH REL (STEL) (ppm)     | 15 ppm USA. NIOSH Recommended Exposure Limits  |
| USA OSHA                              | OSHA PEL (Ceiling) (mg/m³) | 45 mg/m³ California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| USA OSHA                              | OSHA PEL (Ceiling) (ppm)   | 15 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)   |

| PROPIONIC ACID (D5, 98%) (60153-92-6)    |                          |
|--|--------------------------|
| DNEL/DMEL (Workers)                      |                          |
| Acute - systemic effects, inhalation     | 62 mg/m³                 |
| Acute - local effects, inhalation        | 62 mg/m³                 |
| Long-term - systemic effects, dermal     | 132 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 31 mg/m³                 |
| Long-term - local effects, inhalation    | 31 mg/m³                 |
| PNEC (Water)                             |                          |
| PNEC aqua (marine water)                 | 0.05 mg/l                |
| PNEC aqua (intermittent, freshwater)     | 0.5 mg/l                 |
| PNEC (Sediment)                          |                          |
| PNEC sediment (freshwater)               | 1.86 mg/kg dwt           |
| PNEC sediment (marine water)             | 0.186 mg/kg dwt          |
| PNEC (Soil)                              |                          |
| PNEC soil                                | 0.1258 mg/kg dwt         |
| PNEC (STP)                               |                          |
| PNEC sewage treatment plant              | 5 mg/l                   |

### **Exposure controls**

PNEC, Aquatic, intermittent releases [mg/l]

Personal protective equipment : Safety glasses. Gloves. Respiratory protection of the dependent type. Protective clothing.



: 5 mg/l







Materials for protective clothing : Wear suitable protective clothing and gloves. Wear suitable protective clothing and gloves. Hand protection

Eye protection : Chemical goggles or face shield. Wear closed safety glasses.

Skin and body protection : Wear suitable protective clothing. Respiratory protection : Wear respiratory protection.

# **SECTION 9: Physical and chemical properties**

### Information on basic physical and chemical properties

Physical state : Liquid Appearance : Liquid.

: 79.11 g/mol (Labeled) Molecular mass Colour : clear. Colourless. Odour : No data available. Odour threshold : No data available

: 2.5 at 100 g/l at 20 °C (68 °F)

Relative evaporation rate (butylacetate=1) : No data available

: -23.99 - -22.99 °C (-11.18 - -9.38 °F) Melting point

Freezing point : No data available

Boiling point : 141 - 142 °C (286 - 288 °F) Flash point : 54 °C (129 °F) - closed cup

: 440 °C (824 °F) at 1,013 hPa (760 mmHg) Auto-ignition temperature

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Decomposition temperature : No data available

Flammability (solid, gas) : Flammable liquid and vapour

Vapour pressure : 3.2 hPa (2.4 mmHg) at 20 °C (68 °F)

Relative vapour density at 20 °C : 2.56 - (Air = 1.0)
Relative density : No data available
Density : 0.992 g/m³
Solubility : Water: Soluble

Log Pow : 0.25

Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : 2.9 - 12.1 vol %

#### 9.2. Other information

No additional information available

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable if stored under recommended conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Overheating. Direct sunlight. Open flame. Heat. Sparks.

### 10.5. Incompatible materials

Strong oxidizing agents.

# 10.6. Hazardous decomposition products

Thermal decomposition generates: Corrosive vapours. Carbon oxides (CO, CO2).

#### **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity : Dermal: Toxic in contact with skin.

| PROPIONIC ACID (D5, 98%) (60153-92-6) |   |
|---------------------------------------|---|
| ATE CLP (dermal)                      | 300.000 mg/kg bodyweight  |
| LD50, male, female, oral, rat         | 3455.1 mg/kg ((OECD 401 method))  |
| LC50, male, female, Inhalation, rat   | > 20 mg/l (4 Hours, (OECD 403 method))                                      |
| LD50, female, Dermal, rat             | 3235 mg/kg ((OECD 402 method))  |
| LD50, Intravenous, mouse              | 625 mg/kg (Remarks: Behavioral:Convulsions or effect on seizure threshold.) |
| LD50, Parenteral, rat                 | 3500 mg/kg  |

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Skin rabbit Causes burns

pH: 2.5 at 100 g/l at 20 °C (68 °F)

Serious eye damage/irritation : Causes serious eye damage.

Eyes rabbit

Risk of serious damage to eyes pH: 2.5 at 100 g/l at 20 °C (68 °F)

Respiratory or skin sensitisation : Not available

No data available

Germ cell mutagenicity : Not available
Carcinogenicity : Not classified
Reproductive toxicity : Not available

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: May cause respiratory irritation. STOT-single exposure

No data available

 Not classified STOT-repeated exposure No data available

PROPIONIC ACID (D5, 98%) (60153-92-6)

LOAEL, female, mouse 136.9 mg/Kg ((OECD 411 method))

Not classified Aspiration hazard

Potential adverse human health effects and

symptoms

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. May cause irritation or asthmalike symptoms. Dizziness. Headache. Nausea. blood. Irritation to eyes and respiratory tract. Liver problems. Toxic in contact with skin.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Toxic in contact with skin. Causes severe skin burns and eye damage. Repeated exposure to Symptoms/injuries after skin contact

this material can result in absorption through skin causing significant health hazard.

Symptoms/injuries after eye contact : Causes serious eye damage. : May be harmful if swallowed. Symptoms/injuries after ingestion

# **SECTION 12: Ecological information**

#### 12.1. **Toxicity**

Ecology - water : Harmful to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

| PROPIONIC ACID (D5, 98%) (60153-92-6) |   |
|---------------------------------------|---|
| Persistence and degradability         | Aerobic - Exposure time - 20 d. May cause long-term adverse effects in the environment. |
| Biodegradation                        | 93 % Readily biodegradable  |

#### 12.3. **Bioaccumulative potential**

| PROPIONIC ACID (D5, 98%) (60153-92-6) |                |
|---------------------------------------|----------------|
| Log Pow                               | 0.25           |
| Bioaccumulative potential             | Not available. |

#### 12.4. **Mobility in soil**

| PROPIONIC ACID (D5, 98%) (60153-92-6) |                |
|---------------------------------------|----------------|
| Ecology - soil                        | Not available. |

#### Results of PBT and vPvB assessment

No additional information available

## Other adverse effects

Other adverse effects : Environmental precautions. Avoid release to the environment. Disposal must be done according to official regulations.

### **SECTION 13: Disposal considerations**

# Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and Local

environmental control regulations.

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed Product/Packaging disposal recommendations:

professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

# **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

#### **UN** number 14.1.

UN-No.(DOT) : 3463 DOT NA no. UN3463

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

Proper Shipping Name (DOT) : Propionic acid

with not less than 90% acid by mass

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

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Hazard labels (DOT) : 8 - Corrosive

3 - Flammable liquid





Packing group (DOT)

DOT Special Provisions (49 CFR 172.102)

: II - Medium Danger

: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T7 - 4 178.274(d)(2) Normal............... 178.275(d)(3)
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 243 DOT RQ : 5000 lbs Marine pollutant : No

#### **Additional information** 14.3.

Other information : No supplementary information available.

## **Overland transport**

Packing group (ADR) : 11

Class (ADR) : 8 - Corrosive substances

Hazard identification number (Kemler No.) : 83 Classification code (ADR) : CF1

Danger labels (ADR) : 8 - Corrosive substances

3 - Flammable liquids



Orange plates

Tunnel restriction code (ADR) : D/E Limited quantities (ADR) 11 EAC code : •2W APP code : A(fl) Excepted quantities (ADR) : E2

# Transport by sea

: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a **DOT Vessel Stowage Location** 

passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

MFAG-No : 132

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#### Air transport

DOT Quantity Limitations Passenger aircraft/rail : 1 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 50 kg

CFR 175.75)

Civil Aeronautics Law : Corrosive substances(Hazardous materials notice Appended Table 1 Article 194 of the

**Enforcement Regulations)** 

#### 14.4. Environmental hazards

Other information : No supplementary information available.

#### 14.5. Special precautions for user

#### 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# **SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

| PROPIONIC ACID (D5, 98%) (60153-92-6)              |   |
|--|---|
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302 |
| SARA Section 311/312 Hazard Classes                | Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313 |

#### 15.2. International regulations

#### **CANADA**

### PROPIONIC ACID (D5, 98%) (60153-92-6)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2.1. National regulations

No additional information available

## 15.3. US State regulations

| PROPIONIC ACID (D5, 98%)(60153-92-6)                             |  |
|--|--|
| U.S California - Proposition 65 - Carcinogens List               | No   |
| U.S California - Proposition 65 - Developmental Toxicity         | No   |
| U.S California - Proposition 65 - Reproductive Toxicity - Female | No   |
| U.S California - Proposition 65 - Reproductive Toxicity - Male   | No   |
| State or local regulations                                       | U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List |

# **SECTION 16: Other information**

Other information

This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

### Full text of R-, H- and EUH-statements:

| tox of N, 11 and Eoff statements. |   |  |
|-----------------------------------|---|--|
| Acute Tox. 3 (Dermal)             | Al) Acute toxicity (dermal), Category 3                           |  |
| Aquatic Chronic 3                 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |  |
| Eye Dam. 1                        | Serious eye damage/eye irritation, Category 1                     |  |
| Flam. Liq. 3                      | Flammable liquids, Category 3                                     |  |
| Skin Corr. 1A                     | Skin corrosion/irritation, Category 1A                            |  |

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| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation   |
|-----------|--|
| H226      | Flammable liquid and vapour  |
| H311      | Toxic in contact with skin   |
| H314      | Causes severe skin burns and eye damage  |
| H318      | Causes serious eye damage  |
| H335      | May cause respiratory irritation   |
| H412      | Harmful to aquatic life with long lasting effects  |
| R10       | Flammable  |
| R24       | Toxic in contact with skin   |
| R35       | Causes severe burns  |
| R37       | Irritating to respiratory system   |
| R41       | Risk of serious damage to eyes   |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| С         | Corrosive  |
| T         | Toxic  |
| Xi        | Irritant   |

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause

serious or permanent injury.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can

occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even

under fire conditions.



# **HMIS III Rating**

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is

given

Flammability : 2 Moderate Hazard Physical : 0 Minimal Hazard

### CIL Multi-Solvent Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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