



# PROPIONIC ACID (13C3, 99%)

## 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

Date of issue: 16/12/2010  
CLM-647

Revision date: 28/04/2017

Supersedes: 25/09/2014

Version: 3.0

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : PROPIONIC ACID (13C3, 99%)  
EC Index No : 607-089-00-0 (Unlabeled)  
EC No : 201-176-3 (Unlabeled)  
CAS No : 153474-35-2  
Product code : CLM-647  
Formula : \*CH3\*CH2\*COOH  
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

Main use category : Professional use  
Industrial/Professional use spec : For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. 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](mailto:cilsales@isotope.com) [www.isotope.com](http://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

#### 2.1. 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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Aquatic Acute 3 H402  
Aquatic Chronic 3 H412

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. 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) :



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 Directive 67/548/EEC
PROPIONIC ACID (13C3, 99%)	(CAS No) 153474-35-2 (EC No) 201-176-3 (Unlabeled) (EC Index No) 607-089-00-0 (Unlabeled)	100	C; R35 R10 Xi; R37 R52/53 T; R24 Xi; R41
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
PROPIONIC ACID (13C3, 99%)	(CAS No) 153474-35-2 (EC No) 201-176-3 (Unlabeled) (EC Index No) 607-089-00-0 (Unlabeled)	100	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 R- and H-statements: see section 16

Name	Product identifier	%	GHS-US classification
PROPIONIC ACID (13C3, 99%) (Main constituent)	(CAS No) 153474-35-2	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

### 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.
First-aid measures after skin contact	: 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.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: 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	: 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 (CO<sub>2</sub>).

### 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.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

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

Technical 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 (13C3, 99%) (153474-35-2)

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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USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	10 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	15 ppm USA. NIOSH Recommended Exposure Limits
USA OSHA	OSHA PEL (Ceiling) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup> 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 (13C3, 99%) (153474-35-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	62 mg/m <sup>3</sup>
Acute - local effects, inhalation	62 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	132 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	31 mg/m <sup>3</sup>
Long-term - local effects, inhalation	31 mg/m <sup>3</sup>
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

PNEC, Aquatic, intermittent releases [mg/l] : 5 mg/l

### 8.2. Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety procedures.  
Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



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

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Liquid.  
Molecular mass : 77.06 g/mol (Labeled)  
Colour : clear. Colourless.  
Odour : No data available  
Odour threshold : No data available  
pH : 2.5 at 100 g/l at 20 °C (68 °F)  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : -23.99 - -22.99 °C (-11.18 - -9.38 °F)  
Freezing point : No data available  
Boiling point : 141 - 142 °C (286 - 288 °F)  
Flash point : 54 °C (129 °F) - closed cup  
Auto-ignition temperature : 440 °C (824 °F) at 1,013 hPa (760 mmHg)

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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/m <sup>3</sup>
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, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Dermal: Toxic in contact with skin.

PROPIONIC ACID (13C3, 99%) (153474-35-2)	
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 classified

Germ cell mutagenicity : Reverse Mutation Assays. *S. typhimurium* result: negative. . OECD Test Guideline 474.  
Hamster - male and female. Result: Negative

Carcinogenicity : Not classified

Reproductive toxicity : Not available

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STOT-single exposure	: May cause respiratory irritation. No data available
STOT-repeated exposure	: Not classified No data available

### PROPIONIC ACID (13C3, 99%) (153474-35-2)

LOAEL, female, mouse	136.9 mg/Kg ((OECD 411 method))
Aspiration hazard	: Not classified
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 asthma-like 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.
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.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: May be harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water	: Harmful to aquatic life with long lasting effects.
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### 12.2. Persistence and degradability

#### PROPIONIC ACID (13C3, 99%) (153474-35-2)

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 (13C3, 99%) (153474-35-2)

Log Pow	0.25
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### 12.4. Mobility in soil

#### PROPIONIC ACID (13C3, 99%) (153474-35-2)

Ecology - soil	Not available.
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other adverse effects	: Environmental precautions. Avoid release to the environment. Disposal must be done according to official regulations.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.
Product/Packaging disposal recommendations:	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed 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

### 14.1. UN number

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


### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Propionic acid
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)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	: 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

### 14.3. Additional information

Emergency Response Guide (ERG) Number	: 132
Other information	: No supplementary information available.

### Overland transport

Packing group (ADR)	: II
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	: 
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Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	: 1I
EAC code	: •2W
APP code	: A(fl)
Excepted quantities (ADR)	: E2

### Transport by sea

DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
MFAG-No	: 132

### Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1 L
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DOT Quantity Limitations Cargo aircraft only (49 : 30 L  
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 (13C3, 99%) (153474-35-2)	
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 (13C3, 99%) (153474-35-2)
Listed on the Canadian DSL (Domestic Substances List)

#### 15.2.1. National regulations

No additional information available

### 15.3. US State regulations

PROPIONIC ACID (13C3, 99%)(153474-35-2)	
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:

Acute Tox. 3 (Dermal)	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
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

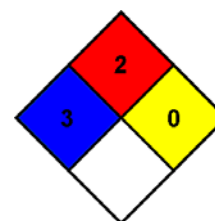
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H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R24	Toxic in contact with skin
R35	Causes severe burns
R37	Irritating 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
C	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*