

**SAFETY DATA SHEET**

Creation Date 08-May-2010

Revision Date 23-Jan-2018

Revision Number 4

**1. Identification**

**Product Name** Propargyl acetate

**Cat No. :** AC380820000; AC380820050; AC380820250

**CAS-No** 627-09-8  
**Synonyms** No information available

**Recommended Use** Laboratory chemicals.  
**Uses advised against** Not for food, drug, pesticide or biocidal product use

**Details of the supplier of the safety data sheet****Company**

Fisher Scientific  
One Reagent Lane  
Fair Lawn, NJ 07410  
Tel: (201) 796-7100

Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

**Emergency Telephone Number**For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99**CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887**2. Hazard(s) identification****Classification**

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

|                                    |            |
|------------------------------------|------------|
| Flammable liquids                  | Category 3 |
| Acute oral toxicity                | Category 3 |
| Acute dermal toxicity              | Category 4 |
| Acute Inhalation Toxicity - Vapors | Category 4 |

**Label Elements****Signal Word**

Danger

**Hazard Statements**

Flammable liquid and vapor  
Toxic if swallowed  
Harmful in contact with skin  
Harmful if inhaled

**Precautionary Statements****Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
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

**Inhalation**

IF INHALED: 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

**Skin**

Call a POISON CENTER or doctor/physician if you feel unwell  
Wash contaminated clothing before reuse  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Rinse mouth

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Storage**

Store locked up  
Store in a well-ventilated place. Keep cool

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None identified

### 3. Composition/Information on Ingredients

| Component         | CAS-No   | Weight % |
|-------------------|----------|----------|
| Propargyl acetate | 627-09-8 | >95      |

### 4. First-aid measures

**General Advice**

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

|                                            |                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                          | Move to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give 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. |
| <b>Ingestion</b>                           | Do not induce vomiting. Call a physician or Poison Control Center immediately.                                                                                                                                                                                                                                               |
| <b>Most important symptoms and effects</b> | None reasonably foreseeable. . Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting                                                                                                                                                                                                           |
| <b>Notes to Physician</b>                  | Treat symptomatically                                                                                                                                                                                                                                                                                                        |

## 5. Fire-fighting measures

|                                         |                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>     | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray. |
| <b>Unsuitable Extinguishing Media</b>   | No information available                                                                                                          |
| <b>Flash Point</b>                      | 33 °C / 91.4 °F                                                                                                                   |
| <b>Method -</b>                         | No information available                                                                                                          |
| <b>Autoignition Temperature</b>         | No information available                                                                                                          |
| <b>Explosion Limits</b>                 |                                                                                                                                   |
| <b>Upper</b>                            | No data available                                                                                                                 |
| <b>Lower</b>                            | No data available                                                                                                                 |
| <b>Sensitivity to Mechanical Impact</b> | No information available                                                                                                          |
| <b>Sensitivity to Static Discharge</b>  | No information available                                                                                                          |

### Specific Hazards Arising from the Chemical

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

### Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

### NFPA

**Health**  
3

**Flammability**  
2

**Instability**  
0

**Physical hazards**  
N/A

## 6. Accidental release measures

|                                             |                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>                 | Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges. |
| <b>Environmental Precautions</b>            | Should not be released into the environment.                                                                                                                                                                                             |
| <b>Methods for Containment and Clean Up</b> | Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.                                                            |

## 7. Handling and storage

|                 |                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe vapors or spray mist. Do not ingest. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges. |
| <b>Storage</b>  | Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away                                                                                                                                                                                                                                         |

from heat and sources of ignition. Flammables area. Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls / personal protection

### Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Engineering Measures

Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

#### **Eye/face Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### **Skin and body protection**

Long sleeved clothing.

#### **Respiratory Protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Physical State                         | Liquid                               |
| Appearance                             | Colorless                            |
| Odor                                   | No information available             |
| Odor Threshold                         | No information available             |
| pH                                     | No information available             |
| Melting Point/Range                    | No data available                    |
| Boiling Point/Range                    | 27 - 28 °C / 80.6 - 82.4 °F @ 8 mmHg |
| Flash Point                            | 33 °C / 91.4 °F                      |
| Evaporation Rate                       | No information available             |
| Flammability (solid,gas)               | Not applicable                       |
| Flammability or explosive limits       |                                      |
| Upper                                  | No data available                    |
| Lower                                  | No data available                    |
| Vapor Pressure                         | No information available             |
| Vapor Density                          | No information available             |
| Specific Gravity                       | 0.989                                |
| Solubility                             | No information available             |
| Partition coefficient; n-octanol/water | No data available                    |
| Autoignition Temperature               | No information available             |
| Decomposition Temperature              | No information available             |
| Viscosity                              | No information available             |
| Molecular Formula                      | C5 H6 O2                             |
| Molecular Weight                       | 98.1                                 |

## 10. Stability and reactivity

### **Reactive Hazard**

None known, based on information available

### **Stability**

Stable under normal conditions.

|                                         |                                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------------------|
| <b>Conditions to Avoid</b>              | Keep away from open flames, hot surfaces and sources of ignition. Incompatible products. |
| <b>Incompatible Materials</b>           | Strong oxidizing agents                                                                  |
| <b>Hazardous Decomposition Products</b> | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )                                  |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.                                                 |
| <b>Hazardous Reactions</b>              | None under normal processing.                                                            |

## 11. Toxicological information

### Acute Toxicity

#### Product Information Component Information

| Component         | LD50 Oral                | LD50 Dermal | LC50 Inhalation |
|-------------------|--------------------------|-------------|-----------------|
| Propargyl acetate | LD50 = 250 mg/kg ( Rat ) | Not listed  | Not listed      |

**Toxicologically Synergistic Products** No information available

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

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component         | CAS-No   | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|-------------------|----------|------------|------------|------------|------------|------------|
| Propargyl acetate | 627-09-8 | Not listed | Not listed | Not listed | Not listed | Not listed |

**Mutagenic Effects** No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** None known  
**STOT - repeated exposure** None known

**Aspiration hazard** No information available

**Symptoms / effects, both acute and delayed** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated.

## 12. Ecological information

### Ecotoxicity

Do not empty into drains.

**Persistence and Degradability** Persistence is unlikely based on information available.

**Bioaccumulation/ Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its volatility.

### 13. Disposal considerations

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

### 14. Transport information

#### DOT

|                         |                                |
|-------------------------|--------------------------------|
| UN-No                   | UN1992                         |
| Proper Shipping Name    | Flammable liquid, toxic, n.o.s |
| Proper technical name   | Propargyl acetate              |
| Hazard Class            | 3                              |
| Subsidiary Hazard Class | 6.1                            |
| Packing Group           | III                            |

#### TDG

|                         |                                 |
|-------------------------|---------------------------------|
| UN-No                   | UN1992                          |
| Proper Shipping Name    | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| Hazard Class            | 3                               |
| Subsidiary Hazard Class | 6.1                             |
| Packing Group           | III                             |

#### IATA

|                         |                                 |
|-------------------------|---------------------------------|
| UN-No                   | UN1992                          |
| Proper Shipping Name    | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| Hazard Class            | 3                               |
| Subsidiary Hazard Class | 6.1                             |
| Packing Group           | III                             |

#### IMDG/IMO

|                         |                                 |
|-------------------------|---------------------------------|
| UN-No                   | UN1992                          |
| Proper Shipping Name    | FLAMMABLE LIQUID, TOXIC, N.O.S. |
| Hazard Class            | 3                               |
| Subsidiary Hazard Class | 6.1                             |
| Packing Group           | III                             |

### 15. Regulatory information

All of the components in the product are on the following Inventory lists: Complete Regulatory Information contained in following SDS's X = listed The product is classified and labeled according to EC directives or corresponding national laws The product is classified and labeled in accordance with Directive 1999/45/EC

#### International Inventories

##### Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

#### U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313 Not applicable

|                                                           |                                                            |
|-----------------------------------------------------------|------------------------------------------------------------|
| <b>SARA 311/312 Hazard Categories</b>                     | See section 2 for more information                         |
| <b>CWA (Clean Water Act)</b>                              | Not applicable                                             |
| <b>Clean Air Act</b>                                      | Not applicable                                             |
| <b>OSHA Occupational Safety and Health Administration</b> | Not applicable                                             |
| <b>CERCLA</b>                                             | Not applicable                                             |
| <b>California Proposition 65</b>                          | This product does not contain any Proposition 65 chemicals |
| <b>U.S. State Right-to-Know Regulations</b>               | Not applicable                                             |
| <b>U.S. Department of Transportation</b>                  |                                                            |
| Reportable Quantity (RQ):                                 | N                                                          |
| DOT Marine Pollutant                                      | N                                                          |
| DOT Severe Marine Pollutant                               | N                                                          |
| <b>U.S. Department of Homeland Security</b>               |                                                            |
| This product does not contain any DHS chemicals.          |                                                            |

**Other International Regulations**

|                       |                          |
|-----------------------|--------------------------|
| <b>Mexico - Grade</b> | No information available |
|-----------------------|--------------------------|

**16. Other information**

|                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prepared By</b>      | Regulatory Affairs<br>Thermo Fisher Scientific<br>Email: EMSDS.RA@thermofisher.com                                                                                                                                                      |
| <b>Creation Date</b>    | 08-May-2010                                                                                                                                                                                                                             |
| <b>Revision Date</b>    | 23-Jan-2018                                                                                                                                                                                                                             |
| <b>Print Date</b>       | 23-Jan-2018                                                                                                                                                                                                                             |
| <b>Revision Summary</b> | This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). |

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of SDS**