



# MATERIAL SAFETY DATA SHEET

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product identifier:** AlbaChem® Headliner Adhesive Spray

**Product Number:** 1875

**Date Prepared:** October 15, 2019

**Revision Date:** 8/12/2022

**Manufacturer's name and address:** Refer to supplier

**Supplier name and address:**

### ***ALBATROSS USA INC./EXPERT WORLDWIDE***

36-41 36<sup>th</sup> Street

5439 San Fernando Rd West

382 Huntington Road

Long Island City, NY 11106

Los Angeles, CA 90039

Gaffney, SC 29342

718-392-6272

818-543-5850

800-233-4468

**Emergency Telephone #:** Spill, leak, fire, exposure or accident – Call CHEMTREC – Day or Night 1-800-434-9300 or 1-703-527-3887 (USA & Canada)

01-800-681-9531 (México )

+56-225814934 (Chile )

01800 -710 -2151 (Colombia)

+506-40003869 (Costa Rica )

+507-8322475 (Panamá )

+51-17071295 (Perú )

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

**IMPORTANT:** Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers, and users of this product.

## SECTION 2 — HAZARD IDENTIFICATION

### **Hazard Classification**

**Physical Hazards** Flammable aerosol Category 1

### **Health Hazards**

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2A

Specific Target Organ Toxicity - Single Exposure Category 3.

Aspiration Hazard Category 1

### **Target Organs**

1. Narcotic effect.

### **Environmental Hazards**

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 2

### **Label Elements**

#### **Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** Extremely flammable aerosol. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

### **Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. 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. Avoid release to the environment.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing. Collect spillage.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** None.

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Acetic acid, methyl ester	79-20-9	10 - <20%
Cyclohexane	110-82-7	10 - <20%
Butane	106-97-8	10 - <20%
2-Propanone	67-64-1	5 - <10%
Pentane	109-66-0	5 - <10%
Propane	74-98-6	5 - <10%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### SECTION 4 — FIRST AID MEASURES

**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Inhalation:** Move to fresh air.

**Skin Contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

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

**Symptoms:** No data available.

**Hazards:** No data available.

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

**Treatment:** No data available.

### SECTION 5 — FIRE FIGHTING MEASURES

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Vapors may travel considerable distance to a source of ignition and flash back.

#### Special protective equipment and precautions for firefighters

**Special firefighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless Wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

**Notification Procedures:** Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with skin.

**Conditions for safe storage, including any incompatibilities:** Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Acetic acid, methyl ester	REL	200 ppm 610 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	STEL	250 ppm 760 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm 610 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	250 ppm	US. ACGIH Threshold Limit Values (2008)
	TWA	200 ppm 610 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 760 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Cyclohexane	TWA	200 ppm	US. ACGIH Threshold Limit Values (2008)
	TWA	100 ppm	US. ACGIH Threshold Limit Values (2008)
	TWA	300 ppm 1,050 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	300 ppm 1,050 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	300 ppm 1,050 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	REL	800 ppm 1,900 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Butane	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (03 2018)
	TWA	800 ppm 1,900 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	1,000 ppm 2,400 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
2-Propanone	PEL	1,000 ppm 2,400 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	STEL	500 ppm	US. ACGIH Threshold Limit Values (03 2015)
Pentane	REL	250 ppm 590 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1,000 ppm	US. ACGIH Threshold Limit Values (02 2014)
	CeilTime	610 ppm 1,800 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	REL	120 ppm 350 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 2,950 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	600 ppm 1,800 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Propane	STEL	750 ppm 2,250 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	1,000 ppm 1,800 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)

PEL	1,000 ppm 1,800 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

**Biological Limit Values****Chemical Identity**

2-Propanone (acetone: Sampling time: End of shift.)

**Exposure Limit Values**

25 mg/l (Urine)

**Source**

ACGIH BEL (03 2015)

**Appropriate Engineering Controls** No data available.**Individual protection measures, such as personal protective equipment**

**General information:** Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:** No data available.

**Other:** Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Avoid contact with eyes. When using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

**Physical state:** liquid

**Form:** Spray Aerosol

**Color:** No data available.

**Odor:** No data available.

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** No data available.

**Initial boiling point:** No data available.

**Boiling range:** No data available.

**Flash Point:** -104.44 °C

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

**Upper/lower limit on flammability or explosive limits**

**Flammability limit - upper (%):** No data available.

**Flammability limit - lower (%):** No data available.

**Explosive limit - upper (%):** No data available.

**Explosive limit - lower (%):** No data available.

**Vapor pressure:** 2,757.9029 - 4,136.8544 hPa (20 °C)

**Vapor density:** No data available.

**Density:** No data available.

**Relative density:** No data available.

**Solubility(ies)**

**Solubility in water:** No data available.

**Solubility (other):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Auto-ignition temperature:** No data available.

**Decomposition temperature:** No data available.

**Viscosity:** No data available.

## SECTION 10 — STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** No data available.

**Conditions to avoid:** Avoid heat or contamination.

**Incompatible Materials:** No data available.

**Hazardous Decomposition Products:** No data available.

## SECTION 11 — TOXICOLOGICAL PROPERTIES

### Information on likely routes of exposure

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

**Oral Product:** Not classified for acute toxicity based on available data.

#### Specified substance(s):

Acetic acid, methyl ester	LD 50 (Rat): 6,482 mg/kg
Cyclohexane	LD 50 (Rat): > 5,000 mg/kg
2-Propanone	LD 50 (Rat): 5,800 mg/kg
Pentane	LD 50 (Rat): > 2,000 mg/kg
	LD 50 (Rat): > 5,000 mg/kg
	LD 50 (Rat): > 5,000 mg/kg

**Dermal Product:** Not classified for acute toxicity based on available data.

#### Specified substance(s):

Acetic acid, methyl ester	LD 50 (Rat): > 2,000 mg/kg
Cyclohexane	LD 50 (Rabbit): > 2,000 mg/kg
2-Propanone	LD 50 (Rabbit): > 7,426 mg/kg
Pentane	LD 50: > 2,000 mg/kg

**Inhalation Product:** Not classified for acute toxicity based on available data.

#### Specified substance(s):

Acetic acid, methyl ester	LC 50: > 49.2 mg/l
	LC 50: > 5 mg/l
Cyclohexane	LC 50 (Rat): > 32,880 mg/m <sup>3</sup>
Butane	LC 50: > 100 mg/l
	LC 50: > 100 mg/l
2-Propanone	LC 50 (Rat): 50.1 mg/l
	LC 50: > 5 mg/l
Pentane	LC 50 (Rat): > 25.3 mg/l
	LC 50: > 5 mg/l
Propane	LC 50: > 100 mg/l
	LC 50: > 100 mg/l

**Repeated dose toxicity Product:** No data available.

**Specified substance(s):**

**Acetic acid, methyl ester** NOAEL (Rat(Female, Male), Inhalation, 28 d): 350 ppm(m) Inhalation Experimental result, Key study  
 LOAEL (Rat(Female, Male), Inhalation, 28 d): 2,000 ppm(m) Inhalation Experimental result, Key study

**Cyclohexane** NOAEL (Rat(Female, Male), Inhalation, 13 - 18 Weeks): 7,000 ppm(m) Inhalation Experimental result, Key study  
 NOAEL (Mouse(Female, Male), Inhalation, 13 - 18 Weeks): 500 ppm(m) Inhalation Experimental result, Key study

**Butane** LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study  
 NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study

**2-Propanone** NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental result, Key study

**Pentane** LOAEL (Rat(Male), Inhalation): 3,000 ppm(m) Inhalation Experimental result, Supporting study  
 NOAEL (Rat, Inhalation): 3,000 ppm(m) Inhalation Experimental result, Supporting study  
 NOAEL (Rat, Inhalation): 30 mg/l Inhalation Read-across based on grouping of substances (category approach), Key study  
 NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): >= 6,646 ppm(m) Inhalation Read-across based on grouping of substances (category approach), Key study  
 NOAEL (Rat(Female, Male), Inhalation): 20,000 mg/m<sup>3</sup> Inhalation Experimental result, Key study

**Propane** NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study  
 LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study

**Skin Corrosion/Irritation Product:** No data available.

**Specified substance(s):**

Acetic acid, methyl ester in vivo (Rabbit): Not irritant Experimental result, Key study

Cyclohexane Review (Various): Irritating. in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study

2-Propanone in vivo (Rabbit): Not irritant Experimental result, Supporting study

Pentane in vivo (Rabbit): Not classified as an Irritant Experimental result, Key study

**Serious Eye Damage/Eye Irritation Product:** No data available.

**Specified substance(s):**

Acetic acid, methyl ester Rabbit: Irritating

2-Propanone Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant

Pentane Rabbit, 48 hrs: Not irritating

Rabbit, 24 hrs: Not irritating

Rabbit, 1 hrs: Not irritating

Rabbit, 1 hrs: Not irritating

**Respiratory or Skin Sensitization Product:** No data available.

**Specified substance(s):**

Cyclohexane Skin sensitization:, in vivo (Guinea pig): Non sensitising

2-Propanone Skin sensitization:, in vivo (Guinea pig): Non sensitising

Pentane Skin sensitization:, in vivo (Guinea pig): Non sensitising

**Carcinogenicity Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro Product:** No data available.

**In vivo Product:** No data available.

**Reproductive toxicity Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure Product:** No data available.

**Specified substance(s):**

Cyclohexane Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

2-Propanone Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

**Specific Target Organ Toxicity - Repeated Exposure Product:** No data available.

**Target Organs Specific Target Organ Toxicity - Single Exposure:** Narcotic effect.

**Aspiration Hazard Product:** No data available.

**Specified substance(s):**

Cyclohexane May be fatal if swallowed and enters airways.

**Other effects:** No data available.

## SECTION 12 — ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish Product:** No data available.

**Specified substance(s):**

Acetic acid, methyl ester LC 50 (Fathead minnow (*Pimephales promelas*), 96 h): 295 - 348 mg/l Mortality

LC 50 (*Danio rerio*, 48 h): 250 - 350 mg/l Experimental result, Key study

Cyclohexane LC 50 (*Pimephales promelas*, 96 h): 4.53 mg/l Experimental result, Key study

Butane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

2-Propanone LC 50 (*Oncorhynchus mykiss*, 96 h): 5,540 mg/l Experimental result, Key study

Pentane NOAEL (*Oncorhynchus kisutch*, 96 h): > 100 mg/l Experimental result, Weight of Evidence study

LL 50 (*Oncorhynchus mykiss*, 96 h): 27.55 mg/l QSAR QSAR, Key study

LC 50 (*Oncorhynchus mykiss*, 96 h): 4.26 mg/l Experimental result, Supporting study

Propane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

**Aquatic Invertebrates Product:** No data available.

**Specified substance(s):**

Acetic acid, methyl ester EC 50 (*Daphnia magna*, 48 h): 1,026.7 mg/l Experimental result, Key study

Cyclohexane EC 50 (*Daphnia magna*, 48 h): 0.9 mg/l Experimental result, Key study

Butane LC 50 (*Daphnia* sp., 48 h): 69.43 mg/l QSAR QSAR, Key study

2-Propanone LC 50 (*Daphnia pulex*, 48 h): 8,800 mg/l Experimental result, Key study

Pentane EC 50 (*Daphnia magna*, 48 h): 48.11 mg/l QSAR QSAR, Key study

EC 50 (*Daphnia magna*, 48 h): 2.8 mg/l QSAR QSAR, Supporting study

EC 50 (*Daphnia magna*, 48 h): 2.7 mg/l Experimental result, Supporting study

EC 50 (*Daphnia magna*, 48 h): 9.1 mg/l Experimental result, Supporting study

**Chronic hazards to the aquatic environment:**

**Fish Product:** NOEC : Estimated < 1 mg/l

**Aquatic Invertebrates Product:** No data available.

**Specified substance(s):**

2-Propanone LOAEL (*Daphnia magna*): 2,212 mg/l Experimental result, Key study

NOAEL (*Daphnia magna*): 2,212 mg/l Experimental result, Key study

Pentane NOAEL (*Daphnia magna*): 10.76 mg/l QSAR QSAR, Key study

**Toxicity to Aquatic Plants Product:** No data available.

**Persistence and Degradability**

**Biodegradation Product:** No data available.

**Specified substance(s):**

Acetic acid, methyl ester 70 % Detected in water. Experimental result, Key study

Cyclohexane 77 % (28 d) Detected in water. Experimental result, Key study

Butane 100 % (385.5 h) Detected in water. Experimental result, Key study

2-Propanone 90.9 % (28 d) Detected in water. Experimental result, Key study

Pentane	87 % Detected in water. Experimental result, Key study
	3 % Detected in water. Experimental result, Key study
	48.8 % Detected in water. Experimental result, Key study
	71.43 % (28 d) Detected in water. Read-across based on grouping of substances (category approach), Supporting study
	65.5 % Detected in water. Experimental result, Key study
Propane	100 % (385.5 h) Detected in water. Experimental result, Key study
	50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

**BOD/COD Ratio Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF) Product:** No data available.

**Specified substance(s):**

Cyclohexane	Cyprinus carpio, Bioconcentration Factor (BCF): 37 - 129 Aquatic sediment Experimental result, Supporting study
2-Propanone	Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified
Pentane	Pimephales promelas, Bioconcentration Factor (BCF): 171 Aquatic sediment QSAR, Key study

**Partition Coefficient n-octanol / water (log Kow) Product:** No data available.

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Acetic acid, methyl ester	No data available.
Cyclohexane	No data available.
Butane	No data available.
2-Propanone	No data available.
Pentane	No data available.
Propane	No data available.

**Other adverse effects:** Toxic to aquatic life with long lasting effects.

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** No data available.

## SECTION 14 — TRANSPORTATION INFORMATION

### DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	—
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

### IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	—
EmS No.:	F-D, S-U
Packing Group:	—
Environmental Hazards:	Yes



Marine Pollutant No  
 Special precautions for user: Not regulated.

**IATA**

UN Number: UN 1950  
 Proper Shipping Name: Aerosols, flammable  
 Transport Hazard Class(es):  
   Class: 2.1  
   Label(s): –  
 Packing Group: –  
 Environmental Hazards: Yes  
 Marine Pollutant No  
 Special precautions for user: Not regulated.  
   Cargo aircraft only: Allowed.

**SECTION 15 — REGULATORY INFORMATION****US Federal Regulations**

**Restrictions on use:** Not known.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)****US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

<b>Chemical Identity</b>	<b>Reportable quantity</b>
Acetic acid, methyl ester	lbs. 100
Methane, 1,1'-oxybis-	lbs. 100
Cyclohexane	lbs. 1000
Butane	lbs. 100
2-Propanone	lbs. 5000
Pentane	lbs. 100
Propane	lbs. 100

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Fire Hazard  
 Immediate (Acute) Health Hazards  
 Flammable aerosol  
 Skin Corrosion/Irritation  
 Serious Eye Damage/Eye Irritation  
 Specific Target Organ Toxicity - Single Exposure  
 Aspiration Hazard

**SARA 302 Extremely Hazardous Substance**

<b>Chemical Identity</b>	<b>Reportable quantity</b>	<b>Threshold Planning Quantity</b>
Acetic acid, methyl ester		
2-Propanone		

**SARA 304 Emergency Release Notification**

<b>Chemical</b>	<b>Identity Reportable quantity</b>
Acetic acid, methyl ester	lbs. 100
Methane, 1,1'-oxybis-	lbs. 100
Cyclohexane	lbs. 1000
Butane	lbs. 100
2-Propanone	lbs. 5000
Pentane	lbs. 100
Propane	lbs. 100

**SARA 311/312 Hazardous Chemical**

<b>Chemical Identity</b>	<b>Threshold Planning Quantity</b>
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Acetic acid, methyl ester	10000 lbs
Cyclohexane	10000 lbs
Butane	10000 lbs
2-Propanone	10000 lbs
Pentane	10000 lbs
Propane	10000 lbs

**SARA 313 (TRI Reporting)**

<b>Chemical Identity</b>	<b>Reporting threshold for other users</b>	<b>Reporting threshold for manufacturing and processing</b>
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Cyclohexane	lbs	lbs.
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**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):****Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)****US State Regulations****US. California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

**US. New Jersey Worker and Community Right-to-Know Act****Chemical Identity**

Acetic acid, methyl ester  
Methane, 1,1'-oxybis-  
Cyclohexane  
Butane  
2-Propanone  
Pentane  
Propane

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances****Chemical Identity**

Acetic acid, methyl ester  
Methane, 1,1'-oxybis-  
Cyclohexane  
Butane  
2-Propanone  
Pentane  
Propane

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**International regulations****Montreal protocol**

Acetic acid, methyl ester  
2-Propanone

**Stockholm convention**

Acetic acid, methyl ester  
2-Propanone

**Rotterdam convention**

Acetic acid, methyl ester  
2-Propanone

**Kyoto protocol****Inventory Status:**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	Not in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory

China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Mexico INSQ:	On or in compliance with the inventory
Ontario Inventory:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

## SECTION 16 — OTHER INFORMATION

**Issue Date:** 10/15/2019

**Revision Date:** 8/12/2022

**Revision Information:** No data available.

**Version #:** 2.0

**Further Information:** No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.