



Leading in Cleaning Since 1898

AlbaChem® Premium Flash Adhesive

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 06/17/2019

Revision date: n/a Printed: 06/17/2019 Version: 1.0

1. Identification

Product number 1786
Product identifier **1786 PREMIUM FLASH ADHESIVE**
Company information ALBATROSS USA INC
 36-41 36TH STREET
 LONG ISLAND CITY, NY 11106 United States
Company phone General Assistance 1-718-392-6272
Emergency telephone US 1-800-434-9300 or 1-703-527-3887
Emergency telephone outside US 01-800-681-9531
Version # 01
Recommended use ADHESIVE
Recommended restrictions None known.

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
Health hazards Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2A
 Reproductive toxicity (fertility) Category 2
 Specific target organ toxicity, single exposure Category 3 narcotic effects
 Specific target organ toxicity, repeated exposure Category 2
 Aspiration hazard Category 1
OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. 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 exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment,
long-term hazard

Category 2

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|------------|----------|
| Acetone | | 67-64-1 | 10 - 20 |
| Cyclohexane | | 110-82-7 | 10 - 20 |
| Dimethyl Ether | | 115-10-6 | 10 - 20 |
| n-Hexane | | 110-54-3 | 10 - 20 |
| 1,1-difluoroethane | | 75-37-6 | 2.5 - 10 |
| 2-Methylpentane | | 107-83-5 | 2.5 - 10 |
| Butane | | 106-97-8 | 2.5 - 10 |
| Propane | | 74-98-6 | 2.5 - 10 |
| Other components below reportable levels | | | 10 - 20 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

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 contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

If eye irritation persists: Get medical advice/attention.

Ingestion

Call a physician or poison control center immediately. Do not induce vomiting.

Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam. Dry powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards

Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch or walk through spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|----------------------------|------|------------------------|
| Acetone (CAS 67-64-1) | PEL | 2400 mg/m3 1000 ppm |
| Cyclohexane (CAS 110-82-7) | PEL | 1050 mg/m3 300 ppm |
| n-Hexane (CAS 110-54-3) | PEL | 1800 mg/m3 500 ppm |
| Propane (CAS 74-98-6) | PEL | 1800 mg/m3 1000 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|--------------------------------|------|----------|
| 2-Methylpentane (CAS 107-83-5) | STEL | 1000 ppm |
| Acetone (CAS 67-64-1) | TWA | 500 ppm |
| | STEL | 500 ppm |
| | TWA | 250 ppm |
| Butane (CAS 106-97-8) | STEL | 1000 ppm |
| Cyclohexane (CAS 110-82-7) | TWA | 100 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-------------------------|------|--------|
| n-Hexane (CAS 110-54-3) | TWA | 50 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|----------------------------|------|------------------------|
| Acetone (CAS 67-64-1) | TWA | 590 mg/m3 250 ppm |
| Butane (CAS 106-97-8) | TWA | 1900 mg/m3 800 ppm |
| Cyclohexane (CAS 110-82-7) | TWA | 1050 mg/m3 300 ppm |
| n-Hexane (CAS 110-54-3) | TWA | 180 mg/m3 50 ppm |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m3 1000 ppm |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value |
|----------------------------------|------|------------------------|
| 1,1-difluoroethane (CAS 75-37-6) | TWA | 2700 mg/m3 1000 ppm |
| Dimethyl Ether (CAS 115-10-6) | TWA | 1880 mg/m3 1000 ppm |

Biological limit values**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|-------------------------|----------|---|----------|---------------|
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone | Urine | * |
| n-Hexane (CAS 110-54-3) | 0.4 mg/l | 2,5-Hexanedio n, without hydrolysis | Urine | * |

* - For sampling details, please see the source document.

Exposure guidelines**US - California OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

Appropriate engineering controls

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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

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

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

| | |
|----------------|----------------|
| Physical state | Gas. |
| Form | Aerosol. |
| Color | Not available. |

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 111.44 °F (44.13 °C) estimated

Flash point -156.0 °F (-104.4 °C) PROPELLANT estimated

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 2.7 % estimated

Flammability limit - upper (%) 10 % estimated

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 39 - 59 psig @20C estimated

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature 617.9 °F (325.5 °C) estimated

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Heat of combustion (NFPA 30B) 39.19 kJ/g estimated

Oxidizing properties Not oxidizing.

Specific gravity 0.808 estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

| Components | Species | Test Results |
|-------------------------------|------------|--|
| Acetone (CAS 67-64-1) | | |
| Acute | | |
| Dermal | | |
| LD50 | Guinea pig | > 7426 mg/kg, 24 Hours > 9.4 ml/kg, 24 Hours |
| | Rabbit | > 7426 mg/kg, 24 Hours > 9.4 ml/kg, 24 Hours |
| Inhalation | | |
| LC50 | Rat | 55700 ppm, 3 Hours 132 mg/l, 3 Hours 50.1 mg/l |
| Oral | | |
| LD50 | Rat | 5800 mg/kg 2.2 ml/kg |
| Butane (CAS 106-97-8) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes 52 %, 120 Minutes |
| | Rat | 1355 mg/l |
| Cyclohexane (CAS 110-82-7) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 32880 mg/m ³ , 4 Hours > 5540 ppm, 4 Hours |
| Oral | | |
| LD50 | Rabbit | > 5000 mg/kg |
| | Rat | > 5000 mg/kg |
| Dimethyl Ether (CAS 115-10-6) | | |
| Acute | | |
| Inhalation | | |
| NOEL | Rat | 2 ppm, 6 Hours |
| n-Hexane (CAS 110-54-3) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg, 4 Hours > 5 ml/kg, 4 Hours |

| Components | Species | Test Results |
|-----------------------|------------|--|
| Inhalation | | |
| LC50 | Rat | > 5000 ppm, 24 Hours > 31.86 mg/l 73860 ppm, 4 Hours |
| Oral | | |
| LD50 | Rat | 24 ml/kg 24 g/kg |
| | Wistar rat | 49 g/kg |
| Propane (CAS 74-98-6) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes 52 %, 120 Minutes |
| | Rat | 1355 mg/l 658 mg/l/4h |

* Estimates for product may be based on additional component data not shown.

| | |
|---|---|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Not listed. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not regulated. | |
| US. National Toxicology Program (NTP) Report on Carcinogens | |
| Not listed. | |
| Reproductive toxicity | Suspected of damaging fertility. |
| Specific target organ toxicity - single exposure | May cause drowsiness and dizziness. |
| Specific target organ toxicity - repeated exposure | Respiratory system. Skin. Central nervous system. Eyes. Peripheral nervous system. May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Chronic effects | May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. |

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|-----------------------|---------|--|
| Acetone (CAS 67-64-1) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) |
| Fish | LC50 | Rainbow trout, donaldson trout (Oncorhynchus mykiss) |
| | | 21.6 - 23.9 mg/l, 48 hours 4740 - 6330 mg/l, 96 hours |

| Components | Species | Test Results |
|-------------------------------|---------|--|
| Cyclohexane (CAS 110-82-7) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 23.03 - 42.07 mg/l, 96 hours |
| Dimethyl Ether (CAS 115-10-6) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 4.3 - 7.8 mg/l, 48 hours |
| Fish | LC50 | Striped bass (<i>Morone saxatilis</i>) 10.302 - 16.743 mg/l, 96 hours |
| n-Hexane (CAS 110-54-3) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 2.101 - 2.981 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|--------------------|-------|
| 1,1-difluoroethane | 0.75 |
| 2-Methylpentane | 3.74 |
| Acetone | -0.24 |
| Butane | 2.89 |
| Cyclohexane | 3.44 |
| Dimethyl Ether | 0.1 |
| n-Hexane | 3.9 |
| Propane | 2.36 |

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

DOT

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| Packing group | Not applicable. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Special provisions | N82 |
| Packaging exceptions | 306 |
| Packaging non bulk | None |
| Packaging bulk | None |

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking.

IATA

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| Packing group | Not applicable. |
| Environmental hazards | Yes |
| ERG Code | 10L |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only | Allowed with restrictions. |
| Packaging Exceptions | LTD QTY |

IMDG

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | AEROSOLS |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | None |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | Yes |
| EmS | F-D, S-U |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| Packaging Exceptions | LTD QTY |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

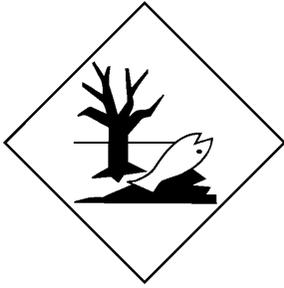
DOT



IATA; IMDG



Marine pollutant



IMDG Regulated Marine Pollutant.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

General information

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|----------------------------|---------|
| Acetone (CAS 67-64-1) | Listed. |
| Cyclohexane (CAS 110-82-7) | Listed. |
| n-Hexane (CAS 110-54-3) | Listed. |

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | |
|--------------------------|------------------------|
| Hazard categories | Immediate Hazard - Yes |
| | Delayed Hazard - Yes |
| | Fire Hazard - Yes |
| | Pressure Hazard - No |
| | Reactivity Hazard - No |

SARA 302 Extremely hazardous substance

Not listed.

| | |
|--|----|
| SARA 311/312 Hazardous chemical | No |
|--|----|

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| Cyclohexane | 110-82-7 | 10 - 20 |
| n-Hexane | 110-54-3 | 10 - 20 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

n-Hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

1,1-difluoroethane (CAS 75-37-6)
Butane (CAS 106-97-8)
Dimethyl Ether (CAS 115-10-6)
Propane (CAS 74-98-6)

| | |
|---------------------------------------|----------------|
| Safe Drinking Water Act (SDWA) | Not regulated. |
|---------------------------------------|----------------|

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

| | |
|-----------------------|------|
| Acetone (CAS 67-64-1) | 6532 |
|-----------------------|------|

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

| | |
|-----------------------|--------|
| Acetone (CAS 67-64-1) | 35 %WV |
|-----------------------|--------|

DEA Exempt Chemical Mixtures Code Number

| | |
|-----------------------|------|
| Acetone (CAS 67-64-1) | 6532 |
|-----------------------|------|

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
n-Hexane (CAS 110-54-3)

US. Massachusetts RTK - Substance List

1,1-difluoroethane (CAS 75-37-6)
2-Methylpentane (CAS 107-83-5)
Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

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

1,1-difluoroethane (CAS 75-37-6)
2-Methylpentane (CAS 107-83-5)
Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

US. Pennsylvania Worker and Community Right-to-Know Law

2-Methylpentane (CAS 107-83-5)
Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

US. Rhode Island RTK

1,1-difluoroethane (CAS 75-37-6)
Acetone (CAS 67-64-1)
Butane (CAS 106-97-8)
Cyclohexane (CAS 110-82-7)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethyl Benzene (CAS 100-41-4)

Listed: June 11, 2004

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

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|-----------------------------|--|
| Issue date | 06/17/2019 |
| Version # | 01 |
| 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. |
| Revision information | Product and Company Identification: Alternate Trade Names |