# SAFETY DATA SHEET

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**Product identifier:** **AlbaChem® Dri-Web Pallet Adhesive Spray**
**Chemical Name:** Aerosol Web Adhesive
**Product Number:** 1175
**Product use:** Web adhesive
**Date Prepared:** June 20, 2011 **Revision Date:** 06/24/2019
**Manufacturer's name and address:** Refer to supplier
**Supplier name and address:**


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

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850


**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 (Mexico)
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.

***This product does not comply with V.O.C. regulations in some locations. You should check with local air quality districts to determine if it may be used in your area.**

## SECTION 2 — HAZARDS IDENTIFICATION

| | | |
|---|---|---|
| **Physical hazards** | Flammable aerosols | Category 1 |
| **Health Hazards** | Aspiration Hazard | Category 1 |
| **Environmental Hazards** | Acute hazards to the aquatic environment | Category 2 |
| **OSHA defined hazards** | Not classified | |

**Label elements**
**Hazard Symbol:**

**Signal word** Danger
**Hazard statement** Extremely flammable aerosol. May be fatal if swallowed and enters airways. Toxic to aquatic life.
**Precautionary statement**
**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. Avoid release to the environment.

**Response** IF SWALLOWED: Immediately call a POISON CENTER/doctor/… Do NOT induce vomiting.
**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. 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 known

## SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

**Mitures**

| Chemical Names | CAS Number | % |
|---|---|---|
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | 10 - <25% |
| Heptane | 142-82-5 | 5 - <10% |
| 2-Propanone | 67-64-1 | 5 - <10% |
| Cyclohexane, methyl- | 108-87-2 | 0.1 - <1% |
| Benzene, ethyl- | 100-41-4 | 0 - <0.1% |
| Cyclohexane | 110-82-7 | 0 - <0.1% |
| Hexane | 110-54-3 | 0 - <0.1% |
| Benzene, methyl- | 108-88-3 | 0 - <0.1% |
| Benzene | 71-43-2 | 0 - <0.1% |

* 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:** Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
**Eye contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/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.
**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:** 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.
**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 2

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters**
**Occupational Exposure Limits**

| Chemical Identity | Type | Exposure Limit Values | | Source |
|---|---|---|---|---|
| Naphtha (petroleum), hydrotreated light | PEL | 100 ppm | 400 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants(29 CFR 1910.1000)(03 2016) |
| | TWA PEL | 300 ppm | 1,350 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015) |
| | STEL | 400 ppm | 1,800 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015) |
| | TWA | 100 ppm | 400 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | REL | 100 ppm | 400 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | ST ESL | | 3,500 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | AN ESL | | 350 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 100 ppm | 400 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| Heptane | TWA | 400 ppm | 1,600 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 500 ppm | 2,000 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | REL | 85 ppm | 350 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |

| | | | | |
|---|---|---|---|---|
| | PEL | 500 ppm | 2,000 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | STEL | 500 ppm | 2,000 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 400 ppm | | US. ACGIH Threshold Limit Values (02 2012) |
| | STEL | 500 ppm | | US. ACGIH Threshold Limit Values (02 2012) |
| | TWA | 400 ppm | 1,600 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | ST ESL | | 10,000 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | AN ESL | | 2,700 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | ST ESL | | 2,400 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | Ceil_Time | 440 ppm | 1,800 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA PEL | 400 ppm | 1,600 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | STEL | 500 ppm | 2,000 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | AN ESL | | 660 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| 2-Propanone | STEL | 1,000 ppm | 2,400 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 750 ppm | 1,780 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | PEL | 1,000 ppm | 2,400 mg/m3 | 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) |
| | TWA | 750 ppm | 1,800 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | Ceiling | 3,000 ppm | | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | STEL | 500 ppm | | US. ACGIH Threshold Limit Values (03 2015) |
| | TWA PEL | 500 ppm | 1,200 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |

| | | | | |
|---|---|---|---|---|
| | REL | 250 ppm | 590 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| Cyclohexane, methyl- | PEL | 500 ppm | 2,000 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | ST ESL | | 16,100 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 400 ppm | 1,600 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 400 ppm | | US. ACGIH Threshold Limit Values (2008) |
| | AN ESL | | 1,610 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 400 ppm | 1,600 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | TWA PEL | 400 ppm | 1,600 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | ST ESL | | 4,000 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | REL | 400 ppm | 1,600 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | AN ESL | | 400 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| Benzene, ethyl- | TWA | 100 ppm | 435 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 125 ppm | 545 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | ST ESL | | 26,000 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | AN ESL | | 570 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | ST ESL | | 6,000 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | AN ESL | | 130 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | REL | 100 ppm | 435 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA | 100 ppm | 435 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |

| | | | | |
|---|---|---|---|---|
| | STEL | 30 ppm | 130 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2013) |
| | STEL | 125 ppm | 545 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | PEL | 100 ppm | 435 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | STEL | 125 ppm | 545 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 20 ppm | | US. ACGIH Threshold Limit Values (12 2010) |
| | TWA PEL | 5 ppm | 22 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2013) |
| Cyclohexane | TWA | 100 ppm | | US. ACGIH Threshold Limit Values (2008) |
| | ST ESL | | 3,400 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 300 ppm | 1,050 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | TWA | 300 ppm | 1,050 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | REL | 300 ppm | 1,050 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | PEL | 300 ppm | 1,050 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA PEL | 300 ppm | 1,050 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | AN ESL | | 340 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | AN ESL | | 100 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | ST ESL | | 1,000 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| Hexane | TWA PEL | 50 ppm | 180 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | TWA | 50 ppm | 180 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | TWA | 50 ppm | 180 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |

| | | | | |
|---|---|---|---|---|
| | PEL | 500 ppm | 1,800 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | REL | 50 ppm | 180 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA | 50 ppm | | US. ACGIH Threshold Limit Values (2008) |
| | AN ESL | | 200 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | ST ESL | | 6,200 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | AN ESL | | 57 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | ST ESL | | 1,700 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| Benzene, methyl- | STEL | 150 ppm | 560 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA PEL | 10 ppm | 37 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | REL | 100 ppm | 375 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA | 100 ppm | 375 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 150 ppm | 560 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | Ceiling | 300 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | TWA | 20 ppm | | US. ACGIH Threshold Limit Values (2008) |
| | Ceiling | 500 ppm | | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | AN ESL | | 1,200 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 200 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | MAX. CONC | 500 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | ST ESL | | 4,500 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | STEL | 150 ppm | 580 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |

| | | | | |
|---|---|---|---|---|
| | ST ESL | | 1,200 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 100 ppm | 375 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 150 ppm | 560 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | AN ESL | | 320 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| Benzene | REL | 0.1 ppm | | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA | 1 ppm | | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | Ceiling | 25 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | STEL | 1 ppm | | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA A LV | 0.5 ppm | | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | AN ESL | | 1.4 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 0.5 ppm | | US. ACGIH Threshold Limit Values (2008) |
| | STEL | 25 ppm | | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 5 ppm | | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 1 ppm | | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006) |
| | STEL | 5 ppm | | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | TWA PEL | 1 ppm | | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| | ST ESL | | 170 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | TWA | 10 ppm | | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | ST ESL | | 53 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| | STEL | 2.5 ppm | | US. ACGIH Threshold Limit Values (2008) |

| | | | |
|---|---|---|---|
| STEL | 5 ppm | | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006) |
| OSHA_ACT | 0.5 ppm | | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006) |
| TWA | 10 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| MAX. CONC | 50 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| AN ESL | | 4.5 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
| Ceiling | 50 ppm | | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |

**Biological Limit Values**

| Chemical Identity | Exposure Limit Values | Source |
|---|---|---|
| 2-Propanone (acetone: Sampling time: End of shift.) | 25 mg/l (Urine) | ACGIH BEL (03 2015) |
| Benzene, ethyl- (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.) | 0.15 g/g (Creatinine in urine) | ACGIH BEL (02 2014) |
| Hexane (2,5-Hexanedion, without hydrolysis: Sampling time: End of shift.) | 0.5 mg/l (Urine) | ACGIH BEL (03 2018) |
| Benzene, methyl- (toluene: Sampling time: End of shift.) | 0.03 mg/l (Urine) | ACGIH BEL (03 2013) |
| Benzene, methyl- (o-Cresol, with hydrolysis: Sampling time: End of shift.) | 0.3 mg/g (Creatinine in urine) | ACGIH BEL (03 2013) |
| Benzene, methyl- (toluene: Sampling time: Prior to last | 0.02 mg/l (Blood) | ACGIH BEL (03 2013) |
| Benzene (t,t-Muconic acid: Sampling time: End of shift.) | 500 µg/g (Creatinine in urine) | ACGIH BEL (03 2013) |
| Benzene (S-Phenylmercapturic acid: Sampling time: End of shift.) | 25 µg/g (Creatinine in urine) | ACGIH BEL (03 2013) |

**Appropriate Engineering Controls** No data available.

**Individual protection measures, such as personal protective equipment**

**General information:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

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

**Skin Protection Hand Protection:** No data available.

**Other:** Wear suitable protective clothing.

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

**Hygiene measures:** Observe good industrial hygiene practices. When using do not smoke.

## 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 and boiling range:** No data available.
**Flash Point:** -41 °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:** 3,447.3786 - 5,860.5437 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 INFORMATION

**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):**

| | |
|---|---|
| Naphtha (petroleum), hydrotreated light | LD 50 (Rat): > 5,000 mg/kg |
| Heptane | LD 50 (Rat): > 5,000 mg/kg |

| | |
|---|---|
| 2-Propanone | LD 50 (Rat): 5,800 mg/kg |
| Cyclohexane, methyl- | LD Lo (Rabbit): 4,000 - 4,500 mg/kg |
| Benzene, ethyl- | LD 50 (Rat): 5.46 g/kg |
| | LD 50 (Rat): 3,500 mg/kg |
| Cyclohexane | LD 50 (Rat): > 5,000 mg/kg |
| Hexane | LD 50: > 2,000 mg/kg |
| Benzene, methyl- | LD 50 (Rat): 5,580 mg/kg |
| Benzene | LD 50 (Rat): 5,970 mg/kg |

**Dermal**

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

**Specified substance(s):**

| | |
|---|---|
| Naphtha (petroleum), hydrotreated light | LD 50 (Rabbit): > 3,750 mg/kg |
| Heptane | LD 50 (Rabbit): > 2,000 mg/kg |
| 2-Propanone | LD 50 (Rabbit): > 7,426 mg/kg |
| Cyclohexane, methyl- | LD 50 (Rabbit): > 2,000 mg/kg |
| Benzene, ethyl- | ATE: > 2,000 mg/kg |
| Cyclohexane | LD 50 (Rabbit): > 2,000 mg/kg |
| Hexane | LD 50 (Rabbit): > 2,000 mg/kg |
| Benzene, methyl- | LD 50 (Rabbit): > 5,000 mg/kg |
| Benzene | LD 50: > 2,000 mg/kg |

**Inhalation**

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

**Specified substance(s):**

| | |
|---|---|
| Naphtha (petroleum), hydrotreated light | LOAEL (Human): 2,400 mg/m3 |
| | LC 50 (Rat): > 7,630 mg/m3 |
| Heptane | LC 50 (Rat): > 29.29 mg/l |
| 2-Propanone | LC 50 (Rat): 50.1 mg/l |
| Cyclohexane, methyl- | LD 10 (Mouse): 40 - 50 mg/l |
| | LC 50 (Rat): > 26.3 mg/l |
| Benzene, ethyl- | LC 50: 11 mg/l |
| Cyclohexane | LC 50 (Rat): > 32,880 mg/m3 |
| Hexane | LC 50 (Rat): > 31.86 mg/l |
| Benzene, methyl- | LC 50 (Rat): 28.1 mg/l |
| Benzene | LC 50 (Rat): 43,767 mg/m3 |

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

**Specified substance(s):**

**Naphtha (petroleum), hydrotreated light** LOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,250 mg/kg Oral Read-across based on grouping of substances (category approach), Key study NOAEL (Rat(Female, Male), Dermal, 28 d): > 375 mg/kg Dermal Experimental result, Supporting study NOAEL (Rat(Female, Male), Inhalation): 10,000 mg/m3 Inhalation Experimental result, Key study

**Heptane** NOAEL (Rat(Male), Inhalation): 12,470 mg/m3 Inhalation Experimental result, Key study

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

**Cyclohexane, methyl-** LOAEL (Rat(Female, Male), Oral, 28 d): 1,000 mg/kg Oral Experimental result, Key study NOAEL (Rat(Female, Male), Oral, 28 d): 250 mg/kg Oral Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): 1,600 mg/m3 Inhalation Experimental result, Key study

**Benzene, ethyl-** NOAEL (Rabbit, Inhalation): 0.1 mg/l Inhalation Experimental result, Supporting study NOAEL (Rabbit(Female, Male), Inhalation, 186 - 214 d): 400 ppm(m) Inhalation Experimental result, Supporting study NOAEL (Mouse(Female, Male), Inhalation, 104 Weeks): 75 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, <= 6 Months): 400 ppm(m)

Inhalation Experimental result, Supporting study NOAEL (Rat(Female, Male), Oral, 28 d): 75 mg/kg Oral 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,
**Hexane** NOAEL (Mouse(Male), Inhalation, 13 Weeks): 500 ppm(m) Inhalation Experimental result, Key study LOAEL (Mouse(Male), Inhalation, 13 Weeks): 1,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Male), Inhalation, 16 Weeks): 3,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Mouse(Female), Inhalation, 13 Weeks): 500 ppm(m) Inhalation Experimental result, Key study
**Benzene, methyl-** LOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,250 mg/kg (Target Organ(s): Liver, Kidney) Oral Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): 625 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation - vapor): 2,355 mg/l Inhalation Experimental result, Key study
**Benzene** NOAEL (Rat(Male), Oral, 120 d): 100 mg/kg Oral Experimental result, Key study NOAEL (Mouse(Female, Male), Inhalation, 7 - 91 d): 96 mg/m3 Inhalation Experimental result, Key study LOAEL (Rat(Female), Oral, 120 d): 25 mg/kg Oral Experimental result, Key study

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

**Specified substance(s):**

**Heptane** in vivo (Rabbit): Irritating Read-across based on grouping of substances (category approach), Key study
**2-Propanone** in vivo (Rabbit): Not irritant Experimental result, supporting study
**Cyclohexane, methyl-** in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study
**Cyclohexane** Review (Various): Irritating.
in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study
**Benzene, methyl-** in vivo (Rabbit): Irritating Experimental result, Key study
**Benzene** in vivo (Rabbit): Irritating Experimental result, Key study

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Specified substance(s):**

**Naphtha (petroleum), hydrotreated light** Rabbit, 24 - 72 hrs: Not irritating
**Heptane** Rabbit, 24 - 72 hrs: Not irritating
**2-Propanone** Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant
**Cyclohexane, methyl-** Rabbit, 0.5 - 168 hrs: Not irritating
**Benzene, ethyl-** Rabbit, 7 d: Slightly irritating
**Hexane** Rabbit, 1 - 72 hrs: Not irritating
**Benzene, methyl-** Rabbit, 24 - 72 hrs: Not irritating
**Benzene** Rabbit: Irritating

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

**Specified substance(s):**

**Naphtha (petroleum), hydrotreated light** Skin sensitization:, in vivo (Guinea pig): Non sensitising
**Heptane** Skin sensitization:, in vivo (Guinea pig): Non sensitising
**2-Propanone** Skin sensitization:, in vivo (Guinea pig): Non sensitising
**Cyclohexane, methyl-** Skin sensitization:, in vivo (Guinea pig): Non sensitising
**Benzene, ethyl-** Skin sensitization:, in vivo (Human): Non sensitising
**Cyclohexane** Skin sensitization:, in vivo (Guinea pig): Non sensitising
**Benzene, methyl-** Skin sensitization:, in vivo (Guinea pig): Non sensitising

**Carcinogenicity Product:** No data available.

**Specified substance(s):**

**Cyclohexane, methyl-** May cause cancer.
**Benzene** Cancer hazard - can cause cancer.

**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.
**Specified substance(s):**

Hexane Suspected of damaging fertility or the unborn child.
Benzene, methyl- Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity Product: - Single Exposure** No data available.
**Specified substance(s):**

| | |
|---|---|
| Heptane | Narcotic effect. - Category 3 with narcotic effects. |
| 2-Propanone | Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects. |
| Cyclohexane, methyl- | Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects. |
| Cyclohexane | Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects. |
| Hexane | Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects. |
| Benzene, methyl- | Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects. |

**Specific Target Organ Toxicity Product: - Repeated Exposure** No data available.
**Specified substance(s):**

| | |
|---|---|
| Cyclohexane, methyl- | Category 1 |
| Hexane | Inhalation - vapor: Nervous System - Category 2 |
| Benzene, methyl- | Category 2 |
| Benzene | Causes damage to organs. |

**Aspiration Hazard Product:** No data available.
**Specified substance(s):**

Naphtha (petroleum), hydrotreated light May be fatal if swallowed and enters airways.
Heptane May be fatal if swallowed and enters airways.
Cyclohexane, methyl- May be fatal if swallowed and enters airways.
Cyclohexane May be fatal if swallowed and enters airways.
Benzene, methyl- May be fatal if swallowed and enters airways.
Benzene 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):**

Naphtha (petroleum), hydrotreated light LC 50 (96 h): 8.41 mg/l Experimental result, Key study
Heptane LC 50 (Mozambique tilapia (Tilapia mossambica), 96 h): 375 mg/l Mortality
2-Propanone LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study
Cyclohexane, methyl- LC 50 (Oryzias latipes, 96 h): 2.07 mg/l Experimental result, Key study
Benzene, ethyl- LC 50 (Fathead minnow (Pimephales promelas), 96 h): 38.9 - 62.83 mg/l Mortality
Cyclohexane LC 50 (Pimephales promelas, 96 h): 4.53 mg/l Experimental result, Key study
Hexane LC 50 (Fathead minnow (Pimephales promelas), 96 h): 2.101 - 2.981 mg/l Mortality
Benzene, methyl- LC 50 (Oncorhynchus kisutch, 96 h): 5.5 mg/l Experimental result, Key study
Benzene LC 50 (Oncorhynchus mykiss, 96 h): 5.3 mg/l Experimental result, Key study

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Naphtha (petroleum), hydrotreated light EC 50 (Daphnia magna, 48 h): 4.5 mg/l Experimental result, Key study
Heptane EC 50 (Daphnia magna, 48 h): 1.5 mg/l Experimental result, Key study
2-Propanone LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study
Cyclohexane, methyl- EC 50 (Daphnia magna, 48 h): 0.326 mg/l Experimental result, Key study
ED 0 (Daphnia magna, 48 h): 0.037 mg/l Experimental result, Key study
Benzene, ethyl- LC 50 (Water flea (Daphnia magna), 24 h): 57 - 100 mg/l Mortality
Cyclohexane EC 50 (Daphnia magna, 48 h): 0.9 mg/l Experimental result, Key study
Hexane EC 50 (Daphnia magna, 48 h): 21.85 mg/l QSAR QSAR, Key study
LC 50 (Water flea (Daphnia magna), 24 h): > 50 mg/l Mortality
Benzene, methyl- LC 50 (Water flea (Daphnia magna), 48 h): 54.6 - 174.7 mg/l Mortality
LC 50 (Ceriodaphnia dubia, 2 d): 3.78 mg/l Experimental result, Key study
Benzene EC 50 (Daphnia magna, 24 h): 10 mg/l Experimental result, Key study

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Naphtha (petroleum), hydrotreated light EC 50 (Daphnia magna): 10 mg/l Other, Key study
NOAEL (Daphnia magna): 2.6 mg/l Other, Key study
Heptane NOAEL (Oncorhynchus mykiss): 1.284 mg/l QSAR QSAR, Key study
Hexane NOAEL (Oncorhynchus mykiss): 2.8 mg/l QSAR QSAR, Key study
Benzene, methyl- NOAEL (Oncorhynchus kisutch): 1.39 mg/l Experimental result, Key study
LOAEL (Oncorhynchus kisutch): 2.77 mg/l Experimental result, Key study
Benzene LOAEL (Pimephales promelas): 1.6 mg/l Experimental result, Key study
LC 50 (Oncorhynchus mykiss): 8.64 mg/l Experimental result, Supporting study

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Naphtha (petroleum), hydrotreated light EC 50 (Daphnia magna): 10 mg/l Experimental result, Key study
NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Key study
Heptane NOAEL (Daphnia magna): 0.17 mg/l Read-across based on grouping of substances (category approach), Key study
EC 50 (Daphnia magna): 0.23 mg/l Read-across based on grouping of substances (category approach), Key study
2-Propanone LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
Benzene, ethyl- NOAEL (Ceriodaphnia dubia): 1 mg/l Other, Key study
LOAEL (Ceriodaphnia dubia): 1.7 mg/l Other, Key study
LC 50 (Ceriodaphnia dubia): 3.6 mg/l Other, Key study
IC 50 (Ceriodaphnia dubia): 3.3 mg/l Other, Key study
LC 50 (Ceriodaphnia dubia): 3.2 mg/l Other, Key study
Hexane NOAEL (Daphnia magna): 4.888 mg/l QSAR QSAR, Key study
Benzene, methyl- LOAEL (Ceriodaphnia dubia): 2.76 mg/l Experimental result, Key study
NOAEL (Ceriodaphnia dubia): 0.74 mg/l Experimental result, Key study
Benzene NOAEL (Daphnia magna): 98 mg/l Not specified, Not specified

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation Product:** No data available.

**Specified substance(s):**

Naphtha (petroleum), hydrotreated light 90.35 % (28 d) Detected in water. Experimental result, Supporting study

Heptane 70 % Detected in water. Experimental result, Key study

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

Cyclohexane, methyl- > 0 % (28 d) Detected in water. Experimental result, Weight of Evidence study

> 0 % (28 d) Detected in water. Experimental result, Weight of Evidence study

Benzene, ethyl- 60 % (24 h) Detected in water. Other, Supporting study

100 % Detected in water. Other, Supporting study

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

Hexane 81 % Detected in water. Read-across based on grouping of substances (category approach), Key study

Benzene, methyl- 100 % (14 d) Detected in water. Experimental result, Weight of Evidence study

86 % Detected in water. Experimental result, Weight of Evidence study

Benzene 4 - 88 % (28 d) Detected in water. Experimental result, Supporting study

81 % Detected in water. Experimental result, Key study

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

**Bioaccumulative potential**

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

**Specified substance(s):**

Naphtha (petroleum), hydrotreated light Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study

Heptane Bioconcentration Factor (BCF): 552 Aquatic sediment Estimated by calculation, Key study

2-Propanone Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified

Cyclohexane, methyl- Cyprinus carpio, Bioconcentration Factor (BCF): > 95 - < 321 Aquatic sediment Experimental result, Key study

Benzene, ethyl- Oncorhynchus kisutch, Bioconcentration Factor (BCF): 1 Aquatic sediment Other, Key study

Cyclohexane Cyprinus carpio, Bioconcentration Factor (BCF): 37 - 129 Aquatic sediment Experimental result, supporting study

Hexane Pimephales promelas, Bioconcentration Factor (BCF): 501.19 Aquatic sediment QSAR, Key study

Benzene, methyl- Leuciscus idus, Bioconcentration Factor (BCF): 90 Aquatic sediment Experimental result, Key study

Benzene Northern anchovy (Engraulis mordax), Bioconcentration Factor (BCF): 505 (Static)

Engraulis mordax; Morone saxatilis, Bioconcentration Factor (BCF): 309 Aquatic sediment Experimental result, Supporting study

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Specified substance(s):**

Naphtha (petroleum), hydrotreated light Log Kow: > 2.4 - < 5.7 23 °C Yes Experimental result, Key study

Log Kow: 2.2 - 5.2 23 °C Yes Experimental result, Key study

Log Kow: 2.2 - 6.1 23 °C Yes Experimental result, Key study

Benzene, ethyl- Log Kow: 3.13 - 3.14 No Other, Supporting study

Benzene Log Kow: 1.56 - 2.15 25 °C No Not specified, Not specified

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

**Known or predicted distribution to environmental compartments**

Naphtha (petroleum), hydrotreated light No data available.

Heptane No data available.

2-Propanone No data available.
Cyclohexane, methyl- No data available.
Benzene, ethyl- No data available.
Cyclohexane No data available.
Hexane No data available.
Benzene, methyl- No data available.
Benzene No data available.

**Other adverse effects:** Toxic to aquatic organisms.

## 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— TRANSPORT 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 | No |
| Marine Pollutant | Yes |
| 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 | No |
| Marine Pollutant | Yes |
| Special precautions for user: | Not regulated. |

## SECTION 15— REGULATORY INFORMATION

**US Federal Regulations**

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

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

| Chemical Identity | OSHA hazard(s) |
|---|---|
| Benzene | respiratory tract irritation |
| | Central nervous system |
| | Blood |
| | Skin |
| | Flammability |
| | Cancer |
| | Aspiration |
| | Eye |

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

| Chemical Identity | Reportable quantity |
|---|---|
| Methane, 1,1'-oxybis- | lbs. 100 |
| Heptane | lbs. 100 |
| 2-Propanone | lbs. 5000 |
| Cyclohexane, methyl- | lbs. 100 |
| Benzene, ethyl- | lbs. 1000 |
| Cyclohexane | lbs. 1000 |
| Hexane | lbs. 5000 |
| Benzene, methyl- | lbs. 1000 |
| Benzene | lbs. 10 |

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

| Hazard categories |
|---|
| Fire Hazard |
| Immediate (Acute) Health Hazards |
| Flammable aerosol |
| Aspiration Hazard |

**SARA 302 Extremely Hazardous Substance**

| Chemical Identity | Reportable quantity | Threshold Planning Quantity |
|---|---|---|
| 2-Propanone | | |

**SARA 304 Emergency Release Notification**

| Chemical Identity | Reportable quantity |
|---|---|
| Methane, 1,1'-oxybis- | lbs. 100 |
| Heptane | lbs. 100 |
| 2-Propanone | lbs. 5000 |
| Cyclohexane, methyl- | lbs. 100 |
| Benzene, ethyl- | lbs. 1000 |
| Cyclohexane | lbs. 1000 |
| Hexane | lbs. 5000 |
| Benzene, methyl- | lbs. 1000 |
| Benzene | lbs. 10 |

**SARA 311/312 Hazardous Chemical**

| Chemical Identity | Threshold Planning Quantity |
|---|---|
| Naphtha (petroleum), hydrotreated light | 10000 lbs |
| Heptane | 10000 lbs |
| 2-Propanone | 10000 lbs |
| Cyclohexane, methyl- | 10000 lbs |
| Benzene, ethyl- | 10000 lbs |

| | |
|---|---|
| Cyclohexane | 10000 lbs |
| Hexane | 10000 lbs |
| Benzene, methyl- | 10000 lbs |
| Benzene | 10000 lbs |

**SARA 313 (TRI Reporting)** None present or none present in regulated quantities.

**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.
Benzene, ethyl- Carcinogenic. 05 2011
Hexane Male reproductive toxin. 12 2017
Benzene, methyl- Developmental toxin. 03 2008
Benzene Developmental toxin. 03 2008
Benzene Carcinogenic. 05 2011
Benzene Male reproductive toxin. 03 2008

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

**Chemical Identity**
Methane, 1,1'-oxybis- Naphtha (petroleum), hydrotreated light
Heptane 2-Propanone

**US. Massachusetts RTK - Substance List**

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

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**
Methane, 1,1'-oxybis- Naphtha (petroleum), hydrotreated light
Heptane 2-Propanone

**US. Rhode Island RTK**

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

**International regulations**

**Montreal protocol** 2-Propanone
**Stockholm convention** 2-Propanone
**Rotterdam convention** 2-Propanone
**Kyoto protocol**

**Inventory Status:**

Australia AICS: Not 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: Not 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: Not in compliance with the inventory.
US TSCA Inventory: On or in compliance with the inventory
New Zealand Inventory of Chemicals: Not in compliance with the inventory.
Japan ISHL Listing: Not in compliance with the inventory.
Japan Pharmacopoeia Listing: Not in compliance with the inventory.
Mexico INSQ: Not in compliance with the inventory.
Ontario Inventory: Not in compliance with the inventory.
Taiwan Chemical Substance Inventory: Not in compliance with the inventory.

## SECTION 16— OTHER INFORMATION

**Issue Date:** 06/24/2019
**Revision Information:** No data available.
**Version #:** 1.0
**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.