Compliant SDS for GHS: HazCom 2012 / United States; WHMIS 2015 / Canada; NMX-R-019-SCFI-2011 / Mexico

The content of this SDS is also valid in Spanish Mexican language to cover all Central, South America (except Brazil) and the Caribbean countries.

# SAFETY DATA SHEET

**Just a Drop Industrial**

## Section 1. Identification

**GHS product identifier** : Just a Drop Industrial

**Other means of identification** : Not available.

**Product code** : JAD20L-IND

**Product type** : Liquid.

**Identified uses** : Odor Eliminator (Industrial), Deodorizing Agent.

**Supplier/Manufacturer** : Prelam Enterprises Limited
300 Baig Blvd., Suite C4
Moncton, New Brunswick,
Canada, E1E1C8
Phone: (506) 857-0499
Toll Free: 1-877-249-6846
Fax: (506) 384-2984
E-mail: info@prelam.com
Web site: www.prelam.com

**Emergency telephone number (with hours of operation)** : Prelam Enterprises Limited info@prelam.com
8am-5pm Atlantic Time

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 4
SKIN SENSITIZATION - Category 1
AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 3

**GHS label elements**

**Hazard pictograms** :

**Signal word** : Warning

**Hazard statements** : H227 - Combustible liquid.
H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements**

## Section 2. Hazards identification

**Prevention** : P280 - Wear protective gloves. Wear eye or face protection.
P210 - Keep away from flames and hot surfaces. - No smoking.
P273 - Avoid release to the environment.
P261 - Avoid breathing vapor.
P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.

**Response** : P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.
P333 + P313 - If skin irritation or rash occurs: Get medical attention.

**Storage** : P403 - Store in a well-ventilated place.
P235 - Keep cool.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Hazards not otherwise classified (HNOC)

**Physical hazards not otherwise classified (PHNOC)** : None known.

**Health hazards not otherwise classified (HHNOC)** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.

**Product code** : JAD20L-IND

| Ingredient name | % | CAS number |
|---|---|---|
| Cineole | ≥25 - ≤50 | 470-82-6 |
| P-menth-1-en-4-ol | ≥1 - ≤3 | 562-74-3 |
| Linalool | ≥1 - ≤2.5 | 78-70-6 |
| p-Mentha-1,4-diene | ≥1 - ≤3 | 99-85-4 |
| Pin-2(3)-ene | ≥1 - ≤2 | 80-56-8 |
| 2-Methylundecanal | ≥0.3 - <1 | 110-41-8 |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthyl)Ethan-1-One | ≤0.3 | 54464-57-2 |
| P-Mentha-1,4(8)-Diene | ≤0.3 | 586-62-9 |
| Camphene | ≤0.3 | 79-92-5 |
| Pin-2(10)-Ene | ≤0.3 | 127-91-3 |

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.**

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

# Section 4. First aid measures

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. Get medical attention if symptoms occur.

**Skin contact** : Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

## Most important symptoms/effects, acute and delayed

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Adverse symptoms may include the following:
irritation
redness

**Ingestion** : No known significant effects or critical hazards.

## Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**See toxicological information (Section 11)**

# Section 5. Fire-fighting measures

## Extinguishing media

**Suitable extinguishing media** : Use dry chemical, $CO_2$, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet or water-based fire extinguishers.

## Section 5. Fire-fighting measures

**Specific hazards arising from the chemical** : Combustible liquid. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

**Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

**Methods and materials for containment and cleaning up**

**Spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

**Precautions for safe handling**

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Section 7. Handling and storage

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

## Control parameters

### United States

#### Occupational exposure limits

| Ingredient name | Exposure limits |
|---|---|
| Pin-2(3)-ene | **ACGIH TLV (United States, 3/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours. |
| Pin-2(10)-Ene | **ACGIH TLV (United States, 3/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours. |

### Canada

#### Occupational exposure limits

| Ingredient name | Exposure limits |
|---|---|
| Pin-2(3)-ene | **CA British Columbia Provincial (Canada, 5/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours.<br>**CA Quebec Provincial (Canada, 1/2014). Skin sensitizer.**<br>TWAEV: 20 ppm 8 hours.<br>TWAEV: 112 mg/m³ 8 hours.<br>**CA Alberta Provincial (Canada, 4/2009).**<br>8 hrs OEL: 111 mg/m³ 8 hours.<br>8 hrs OEL: 20 ppm 8 hours.<br>**CA Ontario Provincial (Canada, 7/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours.<br>**CA Saskatchewan Provincial (Canada). Skin sensitizer.**<br>STEL: 30 ppm 15 minutes.<br>TWA: 20 ppm 8 hours. |
| Pin-2(10)-Ene | **CA British Columbia Provincial (Canada, 5/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours.<br>**CA Quebec Provincial (Canada, 1/2014). Skin sensitizer.**<br>TWAEV: 20 ppm 8 hours.<br>TWAEV: 112 mg/m³ 8 hours.<br>**CA Alberta Provincial (Canada, 4/2009).**<br>8 hrs OEL: 111 mg/m³ 8 hours.<br>8 hrs OEL: 20 ppm 8 hours.<br>**CA Ontario Provincial (Canada, 7/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours.<br>**CA Saskatchewan Provincial (Canada). Skin sensitizer.**<br>STEL: 30 ppm 15 minutes.<br>TWA: 20 ppm 8 hours. |

### Mexico

| Ingredient name | Exposure limits |
|---|---|
| Pin-2(3)-ene | **ACGIH TLV (United States, 3/2015). Skin sensitizer.**<br>TWA: 20 ppm 8 hours. |

## Section 8. Exposure controls/personal protection

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

**Appearance**

**Physical state** : Liquid. [Slightly viscous liquid]

**Color** : Clear, Blue.

**Odor** : Eucalyptus.

**Odor threshold** : Not available.

**pH** : 6.5 to 7

**Melting point** : Not available.

**Boiling point** : Not available.

**Flash point** : Closed cup: 62°C (143.6°F)

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Not available.

## Section 9. Physical and chemical properties

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : 0.947

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/water** : Not available.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Not available.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** : Not available.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Cineole | LD50 Oral | Rat | 2480 mg/kg | - |
| P-menth-1-en-4-ol | LD50 Oral | Rat | 1300 mg/kg | - |
| Linalool | LD50 Dermal | Rabbit | 5610 mg/kg | - |
| | LD50 Dermal | Rat | 5610 mg/kg | - |
| | LD50 Oral | Rat | 2790 mg/kg | - |
| p-Mentha-1,4-diene | LD50 Oral | Rat | 3650 mg/kg | - |
| Pin-2(3)-ene | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 3700 mg/kg | - |
| 2-Methylundecanal | LD50 Dermal | Rabbit | >10 g/kg | - |
| | LD50 Oral | Rat | >5 g/kg | - |
| P-Mentha-1,4(8)-Diene | LD50 Oral | Rat | 4390 mg/kg | - |
| Camphene | LD50 Oral | Rat | >5000 mg/kg | - |
| Pin-2(10)-Ene | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 4700 mg/kg | - |

#### Irritation/Corrosion

# Section 11. Toxicological information

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| P-menth-1-en-4-ol | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 100 % | - |
| Linalool | Eyes - Moderate irritant | Rabbit | - | 1 hours 0.1 ml | - |
| | Eyes - Moderate irritant | Rabbit | - | 100 µL | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Severe irritant | Rabbit | - | 24 hours 100 mg | - |
| Pin-2(3)-ene | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| P-Mentha-1,4(8)-Diene | Skin - Moderate irritant | Rabbit | - | 24 hours 10 % | - |
| Pin-2(10)-Ene | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |

## Sensitization

There is no data available.

## Mutagenicity

There is no data available.

## Carcinogenicity

### Classification

| Product/ingredient name | OSHA | IARC | NTP | ACGIH | EPA | NIOSH |
|---|---|---|---|---|---|---|
| Pin-2(3)-ene | - | - | - | A4 | - | - |

## Reproductive toxicity

There is no data available.

## Teratogenicity

There is no data available.

## Specific target organ toxicity (single exposure)

There is no data available.

## Specific target organ toxicity (repeated exposure)

There is no data available.

## Aspiration hazard

| Name | Result |
|---|---|
| p-Mentha-1,4-diene | ASPIRATION HAZARD - Category 1 |
| Pin-2(3)-ene | ASPIRATION HAZARD - Category 1 |
| P-Mentha-1,4(8)-Diene | ASPIRATION HAZARD - Category 1 |
| Pin-2(10)-Ene | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

## Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

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

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Adverse symptoms may include the following:
irritation
redness

**Ingestion** : No known significant effects or critical hazards.

# Section 11. Toxicological information

## Delayed and immediate effects and also chronic effects from short and long term exposure

### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## Numerical measures of toxicity

### Acute toxicity estimates

| Route | ATE value |
|---|---|
| Oral | 6171.9 mg/kg |

# Section 12. Ecological information

## Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|---|---|
| Cineole | Acute LC50 102000 µg/L Fresh water | Fish - Pimephales promelas | 96 hours |
| Linalool | Acute EC50 36.7 ppm Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 28.8 ppm Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| Pin-2(3)-ene | Acute LC50 41000 µg/L Fresh water | Daphnia - Daphnia magna | 48 hours |
| P-Mentha-1,4(8)-Diene | Acute EC50 1380 µg/L Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute EC50 763 µg/L Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| | Chronic NOEC 30 to 950 µg/L Fresh water | Algae - Pseudokirchneriella subcapitata | 96 hours |
| Camphene | Acute EC50 214000 µg/L Marine water | Algae - Skeletonema costatum | 96 hours |
| | Acute LC50 22000 µg/L Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 1.17 mg/L Fresh water | Fish - Lepomis macrochirus | 96 hours |

## Persistence and degradability

There is no data available.

## Bioaccumulative potential

## Section 12. Ecological information

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Cineole | 2.74 | - | low |
| P-menth-1-en-4-ol | 3.26 | - | low |
| Linalool | 2.84 | - | low |
| p-Mentha-1,4-diene | 4.5 | - | high |
| Pin-2(3)-ene | 4.487 | 1845 | high |
| P-Mentha-1,4(8)-Diene | 4.47 | - | high |
| Camphene | 4.22 | 954.99 | high |
| Pin-2(10)-Ene | 4.425 | 1163 | high |

**Mobility in soil**

**Soil/water partition coefficient ($K_{OC}$)** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

| | DOT | TDG / NOM-003-SCT | IMDG | IATA |
|---|---|---|---|---|
| **UN number** | NA1993 | Not regulated. | Not regulated. | Not regulated. |
| **UN proper shipping name** | COMBUSTIBLE LIQUID, N.O. S. (Cineole, Linalool) | - | - | - |
| **Transport hazard class(es)** | - | - | - | - |
| **Packing group** | III | - | - | - |
| **Environmental hazards** | No. | No. | No. | No. |
| **Additional information** | Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials. | - | - | - |

**AERG** : 128

## Section 14. Transport information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR**: 2-Methylundecanal; Bornan-2-One; 2-Benzylideneheptanal

**TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

**United States inventory (TSCA 8b)**: All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : Fire hazard
Immediate (acute) health hazard

**Composition/information on ingredients**

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---|---|---|---|---|---|---|
| Cineole | ≥25 - ≤50 | Yes. | No. | No. | Yes. | No. |
| P-menth-1-en-4-ol | ≥1 - ≤3 | No. | No. | No. | Yes. | No. |
| Linalool | ≥1 - ≤2.5 | Yes. | No. | No. | Yes. | No. |
| p-Mentha-1,4-diene | ≥1 - ≤3 | Yes. | No. | No. | No. | No. |
| Pin-2(3)-ene | ≥1 - ≤2 | Yes. | No. | No. | Yes. | No. |
| 2-Methylundecanal | ≥0.3 - <1 | Yes. | No. | No. | Yes. | No. |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8, 8-Tetramethyl-2-Naphthyl)Ethan-1-One | ≤0.3 | No. | No. | No. | Yes. | No. |
| P-Mentha-1,4(8)-Diene | ≤0.3 | Yes. | No. | No. | Yes. | No. |
| Camphene | ≤0.3 | Yes. | No. | No. | Yes. | No. |
| Pin-2(10)-Ene | ≤0.3 | Yes. | No. | No. | Yes. | No. |

**SARA 313**

No products were found.

**State regulations**

**Massachusetts** : The following components are listed: Pin-2(3)-ene

## Section 15. Regulatory information

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: Pin-2(3)-ene

**Pennsylvania** : The following components are listed: Oxydipropanol; Pin-2(3)-ene

**California Prop. 65**

No products were found.

**Canada**

**Canadian lists**

**Canadian NPRI** : The following components are listed: Pin-2(3)-ene

**CEPA Toxic substances** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

## Section 16. Other information

**History**

**Date of issue mm/dd/yyyy** : 04/15/2016

**Date of previous issue** : 03/15/2016

**Version** : 2.1

**Prepared by** : KMK Regulatory Services Inc.

**Key to abbreviations** : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**

**Prelam Enterprises Limited shall not be held liable for any injury to the receiver or third persons, or for any damage to any property resulting from the handling or misuse of the product.**