



# Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/19/2016

Revision: 01/19/2016

## 1 Identification

- **Product identifier**
- **Trade name:** Micro Plate, Aerosol
- **Article number:** DAC-110
- **Recommended use and restriction on use**
- **Recommended use:** Lubricant
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
DAC Industries, Inc.  
1636 Gervais Avenue Suite 9  
Maplewood, MN 55109  
Phone: (651) 748-1750
- **Emergency telephone number:**  
ChemTel Inc.  
+1 (800)255-3924, +1 (813)248-0585

## 2 Hazard(s) identification

- **Classification of the substance or mixture**

|                 |      |  |
|-----------------|------|--|
| Flam. Aerosol 1 | H222 | Extremely flammable aerosol.   |
| Press. Gas      | H280 | Contains gas under pressure; may explode if heated.  |
| Skin Irrit. 2   | H315 | Causes skin irritation.  |
| Eye Irrit. 2A   | H319 | Causes serious eye irritation.   |
| Carc. 2         | H351 | Suspected of causing cancer.   |
| Repr. 2         | H361 | Suspected of damaging fertility or the unborn child.   |
| STOT SE 3       | H336 | May cause drowsiness or dizziness.   |
| STOT RE 2       | H373 | May cause damage to the nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation. |
| Asp. Tox. 1     | H304 | May be fatal if swallowed and enters airways.  |

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS02 GHS04 GHS07 GHS08

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

n-hexane  
ethylbenzene  
propan-2-ol

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**· Hazard statements:**

- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to the nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
- H304 May be fatal if swallowed and enters airways.

**· Precautionary statements:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P211 Do not spray on an open flame or other ignition source.
- P264 Wash face, hands, and any exposed skin thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P331 Do NOT induce vomiting.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Classification system**
**· NFPA ratings (scale 0 - 4)**

**· HMIS-ratings (scale 0 - 4)**


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\* - Indicates a long term health hazard from repeated or prolonged exposures.

### 3 Composition/information on ingredients

- Chemical characterization: Mixtures

- Dangerous components:

|            |  |         |
|------------|--|---------|
| 68476-86-8 | Petroleum gases, liquefied, (Nota K, -R45, R46, <0.1% 1,3-butadiene buta-1,3-diene)<br>⚠ Flam. Gas 1, H220<br>⚠ Press. Gas, H280                                     | 50-100% |
| 110-54-3   | n-hexane<br>⚠ Flam. Liq. 2, H225<br>⚠ Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304<br>⚠ Skin Irrit. 2, H315; STOT SE 3, H336                                    | 10-25%  |
| 1330-20-7  | xylenes<br>⚠ Flam. Liq. 3, H226<br>⚠ Asp. Tox. 1, H304<br>⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335-H336<br>Eye Irrit. 2B, H320 | 2.5-10% |
| 67-63-0    | propan-2-ol<br>⚠ Flam. Liq. 2, H225<br>⚠ Eye Irrit. 2, H319; STOT SE 3, H336   | 2.5-10% |
| 100-41-4   | ethylbenzene<br>⚠ Flam. Liq. 2, H225<br>⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304<br>⚠ Acute Tox. 4, H332  | ≤ 2.5%  |

- Additional information:

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

### 4 First-aid measures

- Description of first aid measures

- General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

- After inhalation:

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

In cases of frostbite, rinse with plenty of water. Do not remove clothing.

If skin irritation continues, consult a doctor.

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- **After eye contact:**  
Protect unharmed eye.  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Unlikely route of exposure.  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**  
Headache  
Dizziness  
Coughing  
Breathing difficulty  
Frostbite  
Nausea in case of ingestion.  
Gastric or intestinal disorders when ingested.  
Disorientation  
Unconsciousness
- **Danger:**  
Danger of pulmonary edema.  
Danger of impaired breathing.  
Danger of pneumonia.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
May cause neurotoxic effects.
- **Indication of any immediate medical attention and special treatment needed:**  
If swallowed, gastric irrigation with added, activated carbon.  
Medical supervision for at least 48 hours.  
Later observation for pneumonia and pulmonary edema.  
If necessary oxygen respiration treatment.  
Treat frost-bitten areas appropriately.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.  
Carbon dioxide  
Gaseous extinguishing agents  
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Danger of receptacles bursting because of high vapor pressure if heated.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

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· **Additional information:**

- Eliminate all ignition sources if safe to do so.
- Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
- Cool endangered receptacles with water fog.

## 6 Accidental release measures

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

- Use respiratory protective device against the effects of fumes/dust/aerosol.
- Ensure adequate ventilation.
- Wear protective equipment. Keep unprotected persons away.
- Keep away from ignition sources.
- Protect from heat.

· **Environmental precautions:**

- Do not allow to enter sewers/ surface or ground water.
- Inform respective authorities in case of seepage into water course or sewage system.

· **Methods and material for containment and cleaning up:**

- Allow to evaporate.
- Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
- Dispose contaminated material as waste according to item 13.
- Send for recovery or disposal in suitable receptacles.

· **Reference to other sections:**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

## 7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Keep away from heat and direct sunlight.
- Avoid splashes or spray in enclosed areas.

· **Information about protection against explosions and fires:**

- Do not spray on a naked flame or any incandescent material.
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.
- Emergency cooling must be available in case of nearby fire.
- Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

- Store in a cool location.
- Observe official regulations on storing packagings with pressurized containers.

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- Provide ventilation for receptacles.  
 Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
 Store away from foodstuffs.  
 Store away from oxidizing agents.
  - **Further information about storage conditions:**  
 Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.  
 Keep containers tightly sealed.  
 Protect from heat and direct sunlight.  
 Storage Temperatures : <122 F / <50 C.
  - **Specific end use(s):** No relevant information available.

## 8 Exposure controls/personal protection

### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

##### 110-54-3 n-hexane

|               |  |
|---------------|--|
| PEL (USA)     | Long-term value: 1800 mg/m <sup>3</sup> , 500 ppm            |
| REL (USA)     | Long-term value: 180 mg/m <sup>3</sup> , 50 ppm              |
| TLV (USA)     | Long-term value: 176 mg/m <sup>3</sup> , 50 ppm<br>Skin; BEI |
| EL (Canada)   | Long-term value: 20 ppm<br>Skin                              |
| EV (Canada)   | Long-term value: 176 mg/m <sup>3</sup> , 50 ppm              |
| LMPE (Mexico) | Long-term value: 50 ppm<br>PIEL, IBE                         |

##### 1330-20-7 xylene

|               |  |
|---------------|--|
| PEL (USA)     | Long-term value: 435 mg/m <sup>3</sup> , 100 ppm   |
| REL (USA)     | Short-term value: 655 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm        |
| TLV (USA)     | Short-term value: 651 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 434 mg/m <sup>3</sup> , 100 ppm<br>BEI |
| EL (Canada)   | Short-term value: 150 ppm<br>Long-term value: 100 ppm  |
| EV (Canada)   | Short-term value: 650 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm        |
| LMPE (Mexico) | Short-term value: 150 ppm<br>Long-term value: 100 ppm<br>A4, IBE   |

##### 67-63-0 propan-2-ol

|           |  |
|-----------|--|
| PEL (USA) | Long-term value: 980 mg/m <sup>3</sup> , 400 ppm |
|-----------|--|

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|               |  |
|---------------|--|
| REL (USA)     | Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 980 mg/m <sup>3</sup> , 400 ppm       |
| TLV (USA)     | Short-term value: 984 mg/m <sup>3</sup> , 400 ppm<br>Long-term value: 492 mg/m <sup>3</sup> , 200 ppm<br>BEI |
| EL (Canada)   | Short-term value: 400 ppm<br>Long-term value: 200 ppm  |
| EV (Canada)   | Short-term value: 400 ppm<br>Long-term value: 200 ppm  |
| LMPE (Mexico) | Short-term value: 400 ppm<br>Long-term value: 200 ppm<br>A4, IBE   |

**100-41-4 ethylbenzene**

|               |   |
|---------------|---|
| REL (USA)     | Long-term value: 435 mg/m <sup>3</sup> , 100 ppm  |
| REL (USA)     | Short-term value: 545 mg/m <sup>3</sup> , 125 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm |
| TLV (USA)     | Long-term value: 87 mg/m <sup>3</sup> , 20 ppm<br>BEI   |
| EL (Canada)   | Long-term value: 20 ppm<br>IARC 2B  |
| EV (Canada)   | Short-term value: 540 mg/m <sup>3</sup> , 125 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm |
| LMPE (Mexico) | Long-term value: 20 ppm   |

**· Ingredients with biological limit values:****110-54-3 n-hexane**

|           |   |
|-----------|---|
| BEI (USA) | 0.4 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: 2,5-Hexanedione without hydrolysis |
|-----------|---|

**1330-20-7 xylene**

|           |  |
|-----------|--|
| BEI (USA) | 1.5 g/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Methylhippuric acids |
|-----------|--|

**67-63-0 propan-2-ol**

|           |   |
|-----------|---|
| BEI (USA) | 40 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Acetone (background, nonspecific) |
|-----------|---|

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### 100-41-4 ethylbenzene

|           |   |
|-----------|---|
| BEI (USA) | 0.7 g/g creatinine<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) |
| -         | Medium: end-exhaled air<br>Time: not critical<br>Parameter: Ethyl benzene (semi-quantitative)   |

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Engineering controls:** No relevant information available.

- **Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device when high concentrations are present.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

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· **Limitation and supervision of exposure into the environment**

Avoid release to the environment.

· **Risk management measures**

See Section 7 for additional information.

No relevant information available.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

**Form:** Aerosolized liquid with compressed gas in cylinders

**Color:** Black

· **Odor:** Solvent-like

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not applicable, as aerosol.

· **Boiling point/Boiling range:** Not applicable, as aerosol.

· **Flash point:** -104 °C (-155 °F) (propellant)

· **Flammability (solid, gaseous):** Extremely flammable aerosol.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits**

**Lower:** 0.8 Vol %

**Upper:** 12.0 Vol %

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** Not determined.

· **Density at 20 °C (68 °F):** 0.6245 g/cm<sup>3</sup> (5.211 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density at 20 °C (68 °F):** >1.0 (air = 1.0)

· **Evaporation rate at 20 °C (68 °F):** >1.0 (n-butyl acetate = 1.0)

· **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

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· **Other information** No relevant information available.

## 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- **Possibility of hazardous reactions:**  
Extremely flammable aerosol.  
Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.  
Develops readily flammable gases / fumes.  
Danger of receptacles bursting because of high vapor pressure if heated.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.  
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid:**  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **Incompatible materials:** Oxidizing agents
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Hydrocarbons  
Benzene

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

### 1330-20-7 xylene

|        |      |                     |
|--------|------|---------------------|
| Oral   | LD50 | 4300 mg/kg (rat)    |
| Dermal | LD50 | 2000 mg/kg (rabbit) |

### 100-41-4 ethylbenzene

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 3500 mg/kg (rat)     |
| Dermal | LD50 | 17800 mg/kg (rabbit) |

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:**  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.

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- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer):**

|           |              |    |
|-----------|--------------|----|
| 1330-20-7 | xylene       | 3  |
| 67-63-0   | propan-2-ol  | 3  |
| 100-41-4  | ethylbenzene | 2B |

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Inhalation.  
 Eye contact.  
 Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):**

Vapors have narcotic effect.  
 May cause drowsiness or dizziness.  
 Irritating to eyes and skin.

- **Repeated dose toxicity:**

May cause neurotoxic effects.  
 May cause damage to the nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.  
 Repeated exposures may result in skin and/or respiratory sensitivity.  
 Possible risk of irreversible effects.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carc. 2, Repr. 2

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Suspected of causing cancer.

- **Reproductive toxicity:** Suspected of damaging fertility or the unborn child.

- **STOT-single exposure:** May cause drowsiness or dizziness.

- **STOT-repeated exposure:**

May cause damage to the nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Aspiration hazard:** May be fatal if swallowed and enters airways.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity**

Harmful to aquatic life with long lasting effects.

**1330-20-7 xylene**

LC50 13.4 mg/l (pimephales promelas)

**100-41-4 ethylbenzene**

EC50 1-10 mg/kg (daphnia)

LC50 1-10 mg/l (Green Algae (chlorophyta))

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4.2 mg/l (Oncorhynchus mykiss)

- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:**  
Harmful to fish  
Due to mechanical actions of the product (e.g. agglutinations), damages may occur.  
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
- **Additional ecological information**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- **Other adverse effects:** No relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>  | UN1950  |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | Aerosols, flammable<br>1950 AEROSOLS<br>AEROSOLS<br>AEROSOLS, flammable |

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- **Transport hazard class(es)**

- **DOT**



- **Class** 2.1
- **Label** 2.1

- **ADR**



- **Class** 2 5F Gases
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2.1
- **Label** 2.1

- **Packing group**

- **DOT, ADR, IMDG, IATA** Not regulated.

- **Environmental hazards**

- **Marine pollutant:** No

- **Special precautions for user**

Warning: Gases

- **Danger code (Kemler):**

-

- **EMS Number:**

F-D,S-U

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **United States (USA)**

- **SARA**

- **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

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· **Section 304 (emergency release notification):**

None of the ingredients are listed.

· **Sections 311/312 (hazardous chemical threshold planning quantity in pounds):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

110-54-3 | n-hexane

1330-20-7 | xylene

67-63-0 | propan-2-ol

100-41-4 | ethylbenzene

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

100-41-4 | ethylbenzene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

110-54-3 | n-hexane

II

1330-20-7 | xylene

I

100-41-4 | ethylbenzene

D

· **IARC (International Agency for Research on Cancer):**

1330-20-7 | xylene

3

67-63-0 | propan-2-ol

3

100-41-4 | ethylbenzene

2B

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian substance listings**

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%):**

100-41-4 | ethylbenzene

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**· Canadian Ingredient Disclosure list (limit 1%):**

|          |             |
|----------|-------------|
| 110-54-3 | n-hexane    |
| 67-63-0  | propan-2-ol |

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 01/19/2016 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· **Sources**

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: [www.chemtelinc.com](http://www.chemtelinc.com)