



# SAFETY DATA SHEET

## 1. Identification

**Product number** 1000001359  
**Product identifier** **TERAND WHITE LITHIUM GREASE**  
**Revision date** 03-01-2016  
**Company information** CPC  
1005 S. Westgate Drive  
Addison, IL 60101 United States  
**Company phone** General Assistance 800-327-1835  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 10  
**Supersedes date** 02-10-2016  
**Recommended use** Lubricant  
**Recommended restrictions** None known.

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Reproductive toxicity (the unborn child) Category 2  
Aspiration hazard Category 1  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word**

Danger

**Hazard statement**

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Suspected of damaging the unborn child.

**Precautionary statement**

**Prevention**

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

**Response**

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If exposed or concerned: Get medical advice/attention.

**Storage**

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal**

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

**Environmental hazards**

Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 2

**Hazard(s) not otherwise classified (HNOC)**

Combustible.

**Supplemental information**

None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                               | Common name and synonyms | CAS number  | %        |
|---|--------------------------|-------------|----------|
| Distillates (Petroleum), Hydrotreated Light |                          | 64742-47-8  | 20 - 40  |
| Propane                                     |                          | 74-98-6     | 10 - 20  |
| Heptane, branched, cyclic and linear        |                          | 426260-76-6 | 2.5 - 10 |
| n-Heptane                                   |                          | 142-82-5    | 2.5 - 10 |
| Zinc Oxide                                  |                          | 1314-13-2   | 1 - 2.5  |
| Toluene                                     |                          | 108-88-3    | 0.1 - 1  |
| Other components below reportable levels    |                          |             | 40 - 60  |

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

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.  |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Aspiration may cause pulmonary edema and pneumonitis.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Alcohol resistant foam. Powder. Dry chemicals. Carbon dioxide (CO2).  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.  |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.  |
| <b>General fire hazards</b>  | Extremely flammable aerosol. Combustible.   |

#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|--|---|

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

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

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

**Environmental precautions**

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

**7. Handling and storage****Precautions for safe handling**

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

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

Level 2 Aerosol.

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

**8. Exposure controls/personal protection****Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components                 | Type | Value                  | Form                                |
|----------------------------|------|------------------------|-------------------------------------|
| n-Heptane (CAS 142-82-5)   | PEL  | 2000 mg/m3<br>500 ppm  |                                     |
| Propane (CAS 74-98-6)      | PEL  | 1800 mg/m3<br>1000 ppm |                                     |
| Zinc Oxide (CAS 1314-13-2) | PEL  | 5 mg/m3                | Fume.                               |
|                            |      | 5 mg/m3<br>15 mg/m3    | Respirable fraction.<br>Total dust. |

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

| Components             | Type    | Value   |
|------------------------|---------|---------|
| Toluene (CAS 108-88-3) | Ceiling | 300 ppm |
|                        | TWA     | 200 ppm |

**US. ACGIH Threshold Limit Values**

| Components                 | Type | Value    | Form                 |
|----------------------------|------|----------|----------------------|
| n-Heptane (CAS 142-82-5)   | STEL | 500 ppm  |                      |
|                            | TWA  | 400 ppm  |                      |
| Toluene (CAS 108-88-3)     | TWA  | 20 ppm   |                      |
|                            | STEL | 10 mg/m3 | Respirable fraction. |
| Zinc Oxide (CAS 1314-13-2) | TWA  | 2 mg/m3  | Respirable fraction. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components               | Type    | Value                 | Form |
|--------------------------|---------|-----------------------|------|
| n-Heptane (CAS 142-82-5) | Ceiling | 1800 mg/m3<br>440 ppm |      |
|                          | TWA     | 350 mg/m3             |      |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components                 | Type    | Value      | Form  |
|----------------------------|---------|------------|-------|
| Propane (CAS 74-98-6)      | TWA     | 85 ppm     |       |
|                            |         | 1800 mg/m3 |       |
| Toluene (CAS 108-88-3)     | STEL    | 1000 ppm   |       |
|                            |         | 560 mg/m3  |       |
|                            | TWA     | 375 mg/m3  |       |
| Zinc Oxide (CAS 1314-13-2) | Ceiling | 100 ppm    |       |
|                            |         | 15 mg/m3   | Dust. |
|                            | STEL    | 10 mg/m3   | Fume. |
|                            | TWA     | 5 mg/m3    | Fume. |
|                            |         | 5 mg/m3    | Dust. |

**Biological limit values****ACGIH Biological Exposure Indices**

| Components             | Value     | Determinant               | Specimen            | Sampling Time |
|------------------------|-----------|---------------------------|---------------------|---------------|
| Toluene (CAS 108-88-3) | 0.3 mg/g  | o-Cresol, with hydrolysis | Creatinine in urine | *             |
|                        | 0.03 mg/l | Toluene                   | Urine               | *             |
|                        | 0.02 mg/l | Toluene                   | Blood               | *             |

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

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

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Toluene (CAS 108-88-3)

Skin designation applies.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection****Hand protection**

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

**Other**

Use of an impervious apron is recommended.

**Respiratory protection**

Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

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

**9. Physical and chemical properties****Appearance****Physical state**

Liquid.

**Form**

Aerosol.

**Color**

Not available.

**Odor**

Not available.

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

209.3 °F (98.5 °C) estimated

|   |  |
|---|--|
| <b>Flash point</b>                                  | -156.0 °F (-104.4 °C) Propellant estimated |
| <b>Evaporation rate</b>                             | Not available.                             |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                            |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit - lower (%)</b>               | 0.5 % estimated                            |
| <b>Flammability limit - upper (%)</b>               | Not available.                             |
| <b>Explosive limit - lower (%)</b>                  | Not available.                             |
| <b>Explosive limit - upper (%)</b>                  | Not available.                             |
| <b>Vapor pressure</b>                               | Not available.                             |
| <b>Vapor density</b>                                | Not available.                             |
| <b>Relative density</b>                             | Not available.                             |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Not available.                             |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                             |
| <b>Auto-ignition temperature</b>                    | 421 °F (216.11 °C) estimated               |
| <b>Decomposition temperature</b>                    | Not available.                             |
| <b>Viscosity</b>                                    | Not available.                             |
| <b>Other information</b>                            |  |
| <b>Explosive properties</b>                         | Not explosive.                             |
| <b>Heat of combustion (NFPA 30B)</b>                | 24.04 kJ/g estimated                       |
| <b>Oxidizing properties</b>                         | Not oxidizing.                             |
| <b>Specific gravity</b>                             | 0.511 estimated                            |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No adverse effects due to inhalation are expected.   |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.   |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.   |
| <b>Ingestion</b>    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

**Symptoms related to the physical, chemical and toxicological characteristics**      Aspiration may cause pulmonary edema and pneumonitis.

### Information on toxicological effects

**Acute toxicity**      May be fatal if swallowed and enters airways.

| Components   | Species | Test Results                                   |
|--|---------|--|
| Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8) |         |  |
| <b>Acute</b>   |         |  |
| <b>Dermal</b>  |         |  |
| LD50   | Rabbit  | > 2000 mg/kg<br>> 2000 mg/kg, 24 Hours         |
| <b>Inhalation</b>  |         |  |
| LC50   | Rat     | > 7.5 mg/l, 6 Hours<br>> 4.6 mg/l, 4 Hours     |
| <b>Oral</b>  |         |  |
| LD50   | Rat     | > 5000 mg/kg                                   |
| n-Heptane (CAS 142-82-5)                                     |         |  |
| <b>Acute</b>   |         |  |
| <b>Dermal</b>  |         |  |
| LD50   | Rabbit  | > 2000 mg/kg, 24 Hours                         |
| <b>Inhalation</b>  |         |  |
| LC50   | Rat     | > 29.29 mg/l, 4 Hours                          |
| <b>Oral</b>  |         |  |
| LD50   | Rat     | > 5000 mg/kg                                   |
| Propane (CAS 74-98-6)  |         |  |
| <b>Acute</b>   |         |  |
| <b>Inhalation</b>  |         |  |
| LC50   | Mouse   | 1237 mg/l, 120 Minutes<br>52 %, 120 Minutes    |
|  | Rat     | 1355 mg/l<br>658 mg/l/4h                       |
| Toluene (CAS 108-88-3)                                       |         |  |
| <b>Acute</b>   |         |  |
| <b>Dermal</b>  |         |  |
| LD50   | Rabbit  | > 5000 mg/kg, 24 Hours                         |
| <b>Inhalation</b>  |         |  |
| LC50   | Mouse   | 6405 - 7436 ppm, 6 Hours<br>5320 ppm, 8 Hours  |
|  | Rat     | 5879 - 6281 ppm, 6 Hours<br>25.7 mg/l, 4 Hours |
| <b>Oral</b>  |         |  |
| LD50   | Rat     | > 5000 mg/kg                                   |
| Zinc Oxide (CAS 1314-13-2)                                   |         |  |
| <b>Acute</b>   |         |  |
| <b>Dermal</b>  |         |  |
| LD50   | Rat     | > 2000 mg/kg, 24 Hours                         |
| <b>Inhalation</b>  |         |  |
| LC50   | Rat     | > 5700 mg/m3                                   |
| <b>Oral</b>  |         |  |
| LD50   | Mouse   | 2000 - 5000 mg/kg                              |
|  | Rat     | > 5000 mg/kg                                   |

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

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.  
**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization****Respiratory sensitization** Not a respiratory sensitizer.**Skin sensitization** This product is not expected to cause skin sensitization.**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.**IARC Monographs. Overall Evaluation of Carcinogenicity**

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.

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

Not regulated.

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

Not listed.

**Reproductive toxicity** Suspected of damaging the unborn child.**Specific target organ toxicity - single exposure** Not classified.**Specific target organ toxicity - repeated exposure** Not classified.**Aspiration hazard** May be fatal if swallowed and enters airways.**12. Ecological information****Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Product  |      | Species   | Test Results               |
|--|------|---|----------------------------|
| <b>TERAND WHITE LITHIUM GREASE</b>                           |      |   |                            |
| <b>Aquatic</b>   |      |   |                            |
| Algae  | IC50 | Algae   | 50256 mg/L, 72 Hours       |
| Crustacea  | EC50 | Daphnia   | 2478 mg/L, 48 Hours        |
| Fish   | LC50 | Fish  | 134 mg/L, 96 Hours         |
| <b>Components</b>  |      |   |                            |
| <b>Species</b>   |      |   |                            |
| <b>Test Results</b>  |      |   |                            |
| Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8) |      |   |                            |
| <b>Aquatic</b>   |      |   |                            |
| Fish   | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours         |
| n-Heptane (CAS 142-82-5)                                     |      |   |                            |
| <b>Aquatic</b>   |      |   |                            |
| Fish   | LC50 | Mozambique tilapia (Tilapia mossambica)             | 375 mg/l, 96 hours         |
| Toluene (CAS 108-88-3)                                       |      |   |                            |
| <b>Aquatic</b>   |      |   |                            |
| Algae  | IC50 | Algae   | 433.0001 mg/L, 72 Hours    |
| Crustacea  | EC50 | Daphnia   | 7.645 mg/L, 48 Hours       |
|  |      | Water flea (Daphnia magna)                          | 5.46 - 9.83 mg/l, 48 hours |
| Fish   | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch)    | 8.11 mg/l, 96 hours        |
| Zinc Oxide (CAS 1314-13-2)                                   |      |   |                            |
| <b>Aquatic</b>   |      |   |                            |
| Fish   | LC50 | Fathead minnow (Pimephales promelas)                | 2246 mg/l, 96 hours        |

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

**Persistence and degradability** No data is available on the degradability of this product.**Bioaccumulative potential****Partition coefficient n-octanol / water (log Kow)**

|           |      |
|-----------|------|
| n-Heptane | 4.66 |
| Propane   | 2.36 |

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

Toluene

2.73

**Mobility in soil**

No data available.

**Other adverse effects**

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

**13. Disposal considerations****Disposal instructions**

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

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

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

**Waste from residues / unused products**

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

**Contaminated packaging**

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

**14. Transport information****DOT**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | Aerosols, flammable, (each not exceeding 1 L capacity)                  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 2.1   |
| <b>Packing group</b>                | Not applicable.   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | N82   |
| <b>Packaging exceptions</b>         | 306   |
| <b>Packaging non bulk</b>           | None  |
| <b>Packaging bulk</b>               | None  |

**IATA**

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

**IMDG**

|                                   |                 |
|-----------------------------------|-----------------|
| <b>UN number</b>                  | UN1950          |
| <b>UN proper shipping name</b>    | AEROSOLS        |
| <b>Transport hazard class(es)</b> |                 |
| <b>Class</b>                      | 2.1             |
| <b>Subsidiary risk</b>            | -               |
| <b>Label(s)</b>                   | 2.1             |
| <b>Packing group</b>              | Not applicable. |



**Environmental hazards**

**Marine pollutant**

Yes

**EmS**

F-D, S-U

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

**Packaging Exceptions**

LTD QTY

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not established.

**DOT**



**IATA; IMDG**



**Marine pollutant**



**General information**

IMDG Regulated Marine Pollutant.

**15. Regulatory information**

**US federal regulations**

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

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

Not regulated.

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

Toluene (CAS 108-88-3)

Listed.

**SARA 304 Emergency release notification**

Not regulated.

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

Not regulated.

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

**Hazard categories**

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

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| Toluene       | 108-88-3   | 0.1 - 1  |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Toluene (CAS 108-88-3)

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

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Toluene (CAS 108-88-3) 6594

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

Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

Toluene (CAS 108-88-3) 594

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

Not listed.

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

Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

n-Heptane (CAS 142-82-5)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

Zinc Oxide (CAS 1314-13-2)

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

n-Heptane (CAS 142-82-5)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

Zinc Oxide (CAS 1314-13-2)

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

n-Heptane (CAS 142-82-5)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

Zinc Oxide (CAS 1314-13-2)

**US. Rhode Island RTK**

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Toluene (CAS 108-88-3)

Listed: January 1, 1991

**International Inventories**

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)         | No                     |
| Canada               | Domestic Substances List (DSL)                             | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                        | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC) | No                     |

| <b>Country(s) or region</b> | <b>Inventory name</b>  | <b>On inventory (yes/no)*</b> |
|-----------------------------|--|-------------------------------|
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                            |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                            |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                            |
| Korea                       | Existing Chemicals List (ECL)  | Yes                           |
| New Zealand                 | New Zealand Inventory  | No                            |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                           |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                           |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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

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

**Issue date** 06-06-2015

**Revision date** 03-01-2016

**Version #** 10

**Disclaimer** We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information** Product and Company Identification: Alternate Trade Names