



# SAFETY DATA SHEET

## 1. Identification

Product number 0292  
 Product identifier **CAMIE 480 SCREEN OPENER**  
 Revision date 04-09-2014  
 Company information Camie-Campbell, Inc.  
 1005 S. Westgate Drive  
 Addison, IL 60101 United States  
 Company phone General Assistance 1-630-543-7600  
 Emergency telephone US 1-866-836-8855  
 Emergency telephone outside US 1-952-852-4646  
 Version # 02  
 Supersedes date 04-02-2014  
 Recommended use Not available.  
 Recommended restrictions None known.

## 2. Hazard(s) identification

|                      |                                   |             |
|----------------------|-----------------------------------|-------------|
| Physical hazards     | Flammable aerosols                | Category 1  |
| Health hazards       | Skin corrosion/irritation         | Category 2  |
|                      | Serious eye damage/eye irritation | Category 2A |
|                      | Carcinogenicity                   | Category 2  |
|                      | Reproductive toxicity             | Category 1B |
|                      | Aspiration hazard                 | Category 1  |
| OSHA defined hazards | Not classified.                   |             |

Label elements



|   |  |            |
|---|--|------------|
| Signal word                               | Danger   |            |
| Hazard statement                          | Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May damage fertility or the unborn child.   |            |
| 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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.  |            |
| Response                                  | If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |            |
| Storage                                   | Store 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.  |            |
| Hazard(s) not otherwise classified (HNOC) | Not classified.  |            |
| Environmental hazards                     | Hazardous to the aquatic environment, acute hazard   | Category 2 |
|   | Hazardous to the aquatic environment, long-term hazard   | Category 2 |
| Supplemental information                  |  |            |
| Hazard statement                          | Toxic to aquatic life. Toxic to aquatic life with long lasting effects.  |            |

|            |                                   |
|------------|-----------------------------------|
| Prevention | Avoid release to the environment. |
| Response   | Collect spillage.                 |

### 3. Composition/information on ingredients

#### Mixtures

| Hazardous components<br>Chemical name       | Common name and synonyms | CAS number | %       |
|---|--------------------------|------------|---------|
| Solvent Naphtha (Petroleum), Light Aromatic |                          | 64742-95-6 | 20 - 40 |
| 1,2,3-Trimethylbenzene                      |                          | 95-63-6    | 10 - 20 |
| Butane                                      |                          | 106-97-8   | 10 - 20 |
| Cyclohexanone                               |                          | 108-94-1   | 10 - 20 |
| Propane                                     |                          | 74-98-6    | 10 - 20 |
| Xylenes                                     |                          | 1330-20-7  | 1 - 2.5 |
| Cumene                                      |                          | 98-82-8    | 0.1 - 1 |

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

### 4. First-aid measures

|  |   |
|--|---|
| Inhalation   | If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.  |
| Skin contact   | Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.  |
| Eye contact  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                     |
| Ingestion  | 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. Aspiration may cause pulmonary edema and pneumonitis. |
| Most important symptoms/effects, acute and delayed                     | Irritation of eyes and mucous membranes.  |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| General information  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.                        |

### 5. Fire-fighting measures

|   |   |
|---|---|
| Suitable extinguishing media                                  | Alcohol resistant foam. Water. Dry powder. Carbon dioxide (CO <sub>2</sub> ).   |
| Unsuitable extinguishing media                                | None known.   |
| Specific hazards arising from the chemical                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame.   |
| Special protective equipment and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.  |
| Fire-fighting equipment/instructions                          | Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific methods  | Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.                     |

### 6. Accidental release measures

|   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. 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 MSDS. |
|---|---|

|   |  |
|---|--|
| Methods and materials for containment and cleaning up | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS. |
| Environmental precautions                             | Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. 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 contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use only in well-ventilated areas. Use personal protective equipment as required. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not empty into drains. |
| Conditions for safe storage, including any incompatibilities | 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 MSDS). Level 2 Aerosol.  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                   | Type | Value                  |
|------------------------------|------|------------------------|
| Cumene (CAS 98-82-8)         | PEL  | 245 mg/m3<br>50 ppm    |
| Cyclohexanone (CAS 108-94-1) | PEL  | 200 mg/m3<br>50 ppm    |
| Propane (CAS 74-98-6)        | PEL  | 1800 mg/m3<br>1000 ppm |
| Xylenes (CAS 1330-20-7)      | PEL  | 435 mg/m3<br>100 ppm   |

#### US. ACGIH Threshold Limit Values

| Components                   | Type | Value   |
|------------------------------|------|---------|
| Cumene (CAS 98-82-8)         | TWA  | 50 ppm  |
| Cyclohexanone (CAS 108-94-1) | STEL | 50 ppm  |
| Xylenes (CAS 1330-20-7)      | TWA  | 20 ppm  |
|                              | STEL | 150 ppm |
|                              | TWA  | 100 ppm |

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

| Components                           | Type | Value                  |
|--------------------------------------|------|------------------------|
| 1,2,3-Trimethylbenzene (CAS 95-63-6) | TWA  | 125 mg/m3<br>25 ppm    |
| Butane (CAS 106-97-8)                | TWA  | 1900 mg/m3<br>800 ppm  |
| Cumene (CAS 98-82-8)                 | TWA  | 245 mg/m3<br>50 ppm    |
| Cyclohexanone (CAS 108-94-1)         | TWA  | 100 mg/m3<br>25 ppm    |
| Propane (CAS 74-98-6)                | TWA  | 1800 mg/m3<br>1000 ppm |

## Biological limit values

| ACGIH Biological Exposure Indices Components | Value   | Determinant                             | Specimen            | Sampling Time |
|--|---------|---|---------------------|---------------|
| Cyclohexanone (CAS 108-94-1)                 | 80 mg/l | 1,2-Cyclohexanone diol, with hydrolysis | Urine               | *             |
|  | 8 mg/l  | Cyclohexanol, with hydrolysis           | Urine               | *             |
| Xylenes (CAS 1330-20-7)                      | 1.5 g/g | Methylhippuric acids                    | Creatinine in urine | *             |

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

## Exposure guidelines

### US - California OELs: Skin designation

|                              |                                   |
|------------------------------|-----------------------------------|
| Cumene (CAS 98-82-8)         | Can be absorbed through the skin. |
| Cyclohexanone (CAS 108-94-1) | Can be absorbed through the skin. |

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

|                              |                           |
|------------------------------|---------------------------|
| Cumene (CAS 98-82-8)         | Skin designation applies. |
| Cyclohexanone (CAS 108-94-1) | Skin designation applies. |

### US - Tennessee OELs: Skin designation

|                              |                                   |
|------------------------------|-----------------------------------|
| Cumene (CAS 98-82-8)         | Can be absorbed through the skin. |
| Cyclohexanone (CAS 108-94-1) | Can be absorbed through the skin. |

### US ACGIH Threshold Limit Values: Skin designation

|                              |                                   |
|------------------------------|-----------------------------------|
| Cyclohexanone (CAS 108-94-1) | Can be absorbed through the skin. |
|------------------------------|-----------------------------------|

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

|                              |                                   |
|------------------------------|-----------------------------------|
| Cumene (CAS 98-82-8)         | Can be absorbed through the skin. |
| Cyclohexanone (CAS 108-94-1) | Can be absorbed through the skin. |

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

|                      |                                   |
|----------------------|-----------------------------------|
| Cumene (CAS 98-82-8) | Can be absorbed through the skin. |
|----------------------|-----------------------------------|

## Appropriate engineering controls

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

## Individual protection measures, such as personal protective equipment

|                        |   |
|------------------------|---|
| Eye/face protection    | Wear eye/face protection. Wear safety glasses with side shields (or goggles).   |
| Hand protection        | Wear protective gloves.   |
| Other                  | Wear appropriate chemical resistant clothing.   |
| Respiratory protection | If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. |
| Thermal hazards        | Wear appropriate thermal protective clothing, when necessary.   |

## General hygiene considerations

When using, do not eat, drink or 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

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

Flash point 34.63 °F (1.46 °C) estimated

Melting point/freezing point Not available.

Odor Not available.

pH Not available.

Solubility(ies) Not available.

Vapor density Not available.

Vapor pressure 16.63 psig @70F estimated

Viscosity Not available.

### Other information

|                  |                 |
|------------------|-----------------|
| Specific gravity | 0.509 estimated |
|------------------|-----------------|

## 10. Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability                 | Material is stable under normal conditions.   |
| Possibility of hazardous reactions | Hazardous polymerization does not occur.  |
| Conditions to avoid                | Avoid temperatures exceeding the flash point.   |
| Hazardous decomposition products   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|              |  |
|--------------|--|
| Ingestion    | May be fatal if swallowed and enters airways.                                      |
| Inhalation   | May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation.  |
| Eye contact  | Causes serious eye irritation.   |

Symptoms related to the physical, chemical and toxicological characteristics  
Irritant effects.

### Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

| Product                               | Species | Test Results                           |
|---------------------------------------|---------|--|
| CAMIE 480 SCREEN OPENER (CAS Mixture) |         |  |
| Acute                                 |         |  |
| Dermal                                |         |  |
| LD50                                  | Rabbit  | 18713.2832 mg/kg, estimated            |
|                                       | Rat     | 4296.0015 mg/kg, estimated             |
| Inhalation                            |         |  |
| LC50                                  | Mouse   | 2091.8926 mg/l, 2 Hours, estimated     |
|                                       | Rat     | 12563.8662 mg/l, 15 Minutes, estimated |
|                                       |         | 11843.8506 mg/l, 48 Hours, estimated   |
|                                       |         | 3981.6289 mg/l, 4 Hours, estimated     |
|                                       |         | 15.0629 mg/l/4h, estimated             |
| Oral                                  |         |  |
| LD50                                  | Rat     | 35.5316 g/kg, estimated                |
| Components                            | Species | Test Results                           |
| 1,2,3-Trimethylbenzene (CAS 95-63-6)  |         |  |
| Acute                                 |         |  |
| Dermal                                |         |  |
| LD50                                  | Rabbit  | > 3160 mg/kg                           |
| Inhalation                            |         |  |
| LC50                                  | Rat     | > 2000 mg/l, 48 Hours                  |
| Oral                                  |         |  |
| LD50                                  | Rat     | 6 g/kg                                 |
| Butane (CAS 106-97-8)                 |         |  |
| Acute                                 |         |  |
| Inhalation                            |         |  |
| LC50                                  | Mouse   | 680 mg/l, 2 Hours                      |
|                                       | Rat     | 658 mg/l, 4 Hours                      |
| Cumene (CAS 98-82-8)                  |         |  |
| Acute                                 |         |  |
| Inhalation                            |         |  |
| LC50                                  | Mouse   | 2000 mg/l, 7 Hours                     |
|                                       |         | 24.7 mg/l, 2 Hours                     |
|                                       | Rat     | 8000 mg/l, 4 Hours                     |

| Components   | Species | Test Results                               |
|--|---------|--|
| Oral<br>LD50   | Rat     | 1400 mg/kg                                 |
| Propane (CAS 74-98-6)<br>Acute<br>Inhalation<br>LC50 | Rat     | > 1442.847 mg/l, 15 Minutes<br>658 mg/l/4h |
| Xylenes (CAS 1330-20-7)<br>Acute<br>Dermal<br>LD50   | Rabbit  | > 43 g/kg                                  |
| Inhalation<br>LC50                                   | Mouse   | 3907 mg/l, 6 Hours                         |
|  | Rat     | 6350 mg/l, 4 Hours                         |
| LCL0   | Rat     | 8000 mg/l, 4 Hours                         |
| Oral<br>LD50   | Mouse   | 1590 mg/kg                                 |
|  | Rat     | 3523 - 8600 mg/kg                          |

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

|  |   |
|--|---|
| Skin corrosion/irritation                              | Causes skin irritation.   |
| Serious eye damage/eye irritation                      | Causes serious eye irritation.  |
| Respiratory sensitization                              | Not available.  |
| Skin sensitization                                     | This product is not expected to cause skin sensitization.   |
| Germ cell mutagenicity                                 | Not applicable.   |
| Carcinogenicity  | Suspected of causing cancer.  |
| IARC Monographs. Overall Evaluation of Carcinogenicity |   |
| Cumene (CAS 98-82-8)                                   | 2B Possibly carcinogenic to humans.   |
| Cyclohexanone (CAS 108-94-1)                           | 3 Not classifiable as to carcinogenicity to humans.   |
| Xylenes (CAS 1330-20-7)                                | 3 Not classifiable as to carcinogenicity to humans.   |
| Reproductive toxicity                                  | Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or 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.   |
| Chronic effects  | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.  |

## 12. Ecological information

| Product   | Species | Test Results  |
|---|---------|---|
| Ecotoxicity Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected. |         |   |
| CAMIE 480 SCREEN OPENER (CAS Mixture)   |         |   |
| Algae   | IC50    | Algae 517.3394 mg/L, 72 Hours, estimated                        |
| Crustacea   | EC50    | Daphnia 10.7779 mg/L, 48 Hours, estimated                       |
| Fish  | LC50    | Fish 16.3407 mg/L, 96 Hours, estimated                          |
| Components  | Species | Test Results  |
| 1,2,3-Trimethylbenzene (CAS 95-63-6)  |         |   |
| Crustacea   | EC50    | Daphnia 6.14 mg/L, 48 Hours                                     |
| Aquatic<br>Fish   | LC50    | Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours |
| Cumene (CAS 98-82-8)  |         |   |
| Algae   | IC50    | Algae 2.6 mg/L, 72 Hours  |

| Components   | Species      | Test Results  |
|--|--------------|---|
| Crustacea<br>Aquatic<br>Fish                                 | EC50<br>LC50 | Daphnia<br>Rainbow trout,donaldson trout<br>(Oncorhynchus mykiss) |
| 0.6 mg/L, 48 Hours   |              |   |
| Cyclohexanone (CAS 108-94-1)                                 |              |   |
| Aquatic<br>Fish  | LC50         | Fathead minnow (Pimephales promelas)                              |
| 481 - 578 mg/l, 96 hours                                     |              |   |
| Solvent Naphtha (Petroleum), Light Aromatic (CAS 64742-95-6) |              |   |
| Crustacea  | EC50         | Daphnia   |
| 6.14 mg/L, 48 Hours  |              |   |
| Xylenes (CAS 1330-20-7)                                      |              |   |
| Aquatic<br>Fish  | LC50         | Bluegill (Lepomis macrochirus)                                    |
| 7.711 - 9.591 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 No data available.

Partition coefficient n-octanol / water (log Kow)

|               |            |
|---------------|------------|
| Cyclohexanone | 0.81       |
| Propane       | 2.36       |
| Butane        | 2.89       |
| Xylenes       | 3.12 - 3.2 |
| Cumene        | 3.66       |

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.

US RCRA Hazardous Waste U List: Reference

|                              |      |
|------------------------------|------|
| Cumene (CAS 98-82-8)         | U055 |
| Cyclohexanone (CAS 108-94-1) | U057 |
| Xylenes (CAS 1330-20-7)      | U239 |

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.

### 14. Transport information

DOT

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

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

IATA

|                              |   |
|------------------------------|---|
| UN number                    | UN1950  |
| UN proper shipping name      | Aerosols, flammable   |
| Transport hazard class(es)   | 2.1   |
| Subsidiary class(es)         | -   |
| Packaging group              | Not available.  |
| Environmental hazards        | Yes   |
| Labels required              | 2.1   |
| ERG Code                     | 10L   |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Packaging Exceptions         | LTD QTY   |

IMDG

|                              |   |
|------------------------------|---|
| UN number                    | UN1950  |
| UN proper shipping name      | AEROSOLS, MARINE POLLUTANT  |
| Transport hazard class(es)   | 2.1   |
| Subsidiary class(es)         | -   |
| Packaging group              | Not available.  |
| Environmental hazards        |   |
| Marine pollutant             | Yes   |
| Labels required              | None  |
| 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 applicable.

DOT



IATA; IMDG



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)

|                              |        |
|------------------------------|--------|
| Cumene (CAS 98-82-8)         | LISTED |
| Cyclohexanone (CAS 108-94-1) | LISTED |
| Xylenes (CAS 1330-20-7)      | LISTED |

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

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

|  |    |
|--|----|
| SARA 302 Extremely hazardous substance | No |
|--|----|

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

Other federal regulations

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

|                         |  |
|-------------------------|--|
| Cumene (CAS 98-82-8)    |  |
| Xylenes (CAS 1330-20-7) |  |

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

|                       |  |
|-----------------------|--|
| Butane (CAS 106-97-8) |  |
| 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 |  |
| Not listed.  |  |

|                                    |                |
|------------------------------------|----------------|
| Food and Drug Administration (FDA) | Not regulated. |
|------------------------------------|----------------|

US state regulations

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

|                                      |         |
|--------------------------------------|---------|
| 1,2,3-Trimethylbenzene (CAS 95-63-6) | 500 lbs |
| Butane (CAS 106-97-8)                | 500 lbs |
| Cumene (CAS 98-82-8)                 | 500 lbs |
| Propane (CAS 74-98-6)                | 500 lbs |
| Xylenes (CAS 1330-20-7)              | 500 lbs |

US. Pennsylvania RTK - Hazardous Substances

|                                      |  |
|--------------------------------------|--|
| 1,2,3-Trimethylbenzene (CAS 95-63-6) |  |
| Butane (CAS 106-97-8)                |  |
| Cumene (CAS 98-82-8)                 |  |
| Cyclohexanone (CAS 108-94-1)         |  |
| Propane (CAS 74-98-6)                |  |
| Xylenes (CAS 1330-20-7)              |  |

US. California Proposition 65

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

International Inventories

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

| Country(s) or region        | Inventory name  | On inventory (yes/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   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates this product complies 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           | 04-02-2014  |
| Revision date        | 04-09-2014  |
| Version #            | 02  |
| Further information  | Not available.  |
| Disclaimer           | The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. |
| Revision Information | Product and Company Identification: Alternate Trade Names   |