

**1. Identification**

|   |   |                |  |
|---|---|----------------|--|
| <b>Product identifier</b>                                     | <b>Gunk Belt Conditioner</b>                |                |  |
| <b>Other means of identification</b>                          |   |                |  |
| <b>SDS number</b>   | M206  |                |  |
| <b>Part No.</b>   | M206, M206/6, M206ES                        |                |  |
| <b>Tariff code</b>  | 2901.23.0000                                |                |  |
| <b>Recommended use</b>  | Belt Dressing                               |                |  |
| <b>Recommended restrictions</b>                               | None known.                                 |                |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |                |  |
| <b>Manufacturer</b>   |   |                |  |
| <b>Company name</b>   | Blumenthal Brands Integrated, LLC           |                |  |
| <b>Address</b>  | 600 Radiator Road<br>Indian Trail, NC 28079 |                |  |
| <b>Telephone</b>  | Customer Service/<br>Technical              | (704) 821-7643 |  |
| <b>Website</b>  | www.solvewithB.com                          |                |  |
| <b>E-mail</b>   | sds@solvewithB.com                          |                |  |
| <b>Emergency phone number</b>                                 | INFOTRAC (United States)                    | (800) 535-5053 |  |
|   | INFOTRAC (International)                    | (352) 323-3500 |  |

**2. Hazard(s) identification**

|                              |   |                             |
|------------------------------|---|-----------------------------|
| <b>Physical hazards</b>      | Flammable aerosols                              | Category 1                  |
| <b>Health hazards</b>        | Acute toxicity, oral                            | Category 4                  |
|                              | Skin corrosion/irritation                       | Category 2                  |
|                              | Serious eye damage/eye irritation               | Category 2A                 |
|                              | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
|                              | Aspiration hazard                               | Category 1                  |
| <b>Environmental hazards</b> | Not classified.                                 |                             |
| <b>OSHA defined hazards</b>  | Not classified.                                 |                             |

**Label elements**


|                                |   |  |  |
|--------------------------------|---|--|--|
| <b>Signal word</b>             | Danger  |  |  |
| <b>Hazard statement</b>        | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.  |  |  |
| <b>Precautionary statement</b> |   |  |  |
| <b>Prevention</b>              | 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. Avoid breathing mist/vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection/face protection. Wear protective gloves.   |  |  |
| <b>Response</b>                | If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |  |  |

|  |  |
|--|--|
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.   |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.  |
| <b>Supplemental information</b>                  | NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace. |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name              | Common name and synonyms                         | CAS number   | %         |
|----------------------------|--|--------------|-----------|
| Light Aromatic Hydrocarbon | (8052-41-3 and/or 64742-88-7 and /or 64742-48-9) | Trade Secret | 50 - < 60 |
| 1,2,4-Trimethylbenzene     |  | 95-63-6      | 5 - < 10  |
| Nonane                     |  | 111-84-2     | 5 - < 10  |
| Polymer TPC1160            |  | Mixture      | 5 - < 10  |
| Trimethylbenzene           |  | 25551-13-7   | 5 - < 10  |
| Xylene                     |  | 1330-20-7    | 5 - < 10  |
| Carbon Dioxide             |  | 124-38-9     | 3 - < 5   |
| Cumene                     |  | 98-82-8      | 1 - < 3   |
| Ethylbenzene               |  | 100-41-4     | 1 - < 3   |
| Hexane                     |  | 110-54-3     | 1 - < 3   |
| Toluene                    |  | 108-88-3     | 1 - < 3   |
| Benzene                    |  | 71-43-2      | < 1       |
| Naphthalene                |  | 91-20-3      | < 1       |

\*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>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.  |
| <b>Skin contact</b>   | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  |
| <b>Eye contact</b>  | 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.  |
| <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. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | 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>   | Water fog. Foam. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. |
| <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. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. 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. 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.  |

## 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. Remove all possible sources of ignition in the surrounding area. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | 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. The product is immiscible with water and will spread on the water surface. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>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. |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.   |

## 7. Handling and storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. 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. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.<br><br>For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code". |
|--------------------------------------|--|

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

Store locked up. Level 3 Aerosol.

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. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

| Components            | Type | Value |
|-----------------------|------|-------|
| Benzene (CAS 71-43-2) | STEL | 5 ppm |
|                       | TWA  | 1 ppm |

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

| Components                    | Type | Value      |
|-------------------------------|------|------------|
| Carbon Dioxide (CAS 124-38-9) | PEL  | 9000 mg/m3 |
|                               |      | 5000 ppm   |
| Cumene (CAS 98-82-8)          | PEL  | 245 mg/m3  |
|                               |      | 50 ppm     |
| Ethylbenzene (CAS 100-41-4)   | PEL  | 435 mg/m3  |
|                               |      | 100 ppm    |
| Hexane (CAS 110-54-3)         | PEL  | 1800 mg/m3 |
|                               |      | 500 ppm    |
| Naphthalene (CAS 91-20-3)     | PEL  | 50 mg/m3   |
|                               |      | 10 ppm     |
| Xylene (CAS 1330-20-7)        | PEL  | 435 mg/m3  |
|                               |      | 100 ppm    |

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

| Components             | Type    | Value   |
|------------------------|---------|---------|
| Benzene (CAS 71-43-2)  | Ceiling | 25 ppm  |
|                        | TWA     | 10 ppm  |
| Toluene (CAS 108-88-3) | Ceiling | 300 ppm |
|                        | TWA     | 200 ppm |

**US. ACGIH Threshold Limit Values**

| Components                           | Type | Value     |
|--------------------------------------|------|-----------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA  | 25 ppm    |
| Benzene (CAS 71-43-2)                | STEL | 2.5 ppm   |
|                                      | TWA  | 0.5 ppm   |
| Carbon Dioxide (CAS 124-38-9)        | STEL | 30000 ppm |
|                                      | TWA  | 5000 ppm  |
| Cumene (CAS 98-82-8)                 | TWA  | 50 ppm    |
| Ethylbenzene (CAS 100-41-4)          | TWA  | 20 ppm    |
| Hexane (CAS 110-54-3)                | TWA  | 50 ppm    |
| Naphthalene (CAS 91-20-3)            | TWA  | 10 ppm    |

**US. ACGIH Threshold Limit Values**

| Components                        | Type | Value   |
|-----------------------------------|------|---------|
| Nonane (CAS 111-84-2)             | TWA  | 200 ppm |
| Toluene (CAS 108-88-3)            | TWA  | 20 ppm  |
| Trimethylbenzene (CAS 25551-13-7) | TWA  | 25 ppm  |
| Xylene (CAS 1330-20-7)            | STEL | 150 ppm |
|                                   | TWA  | 100 ppm |

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

| Components                           | Type | Value       |
|--------------------------------------|------|-------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA  | 125 mg/m3   |
|                                      |      | 25 ppm      |
| Benzene (CAS 71-43-2)                | STEL | 1 ppm       |
|                                      | TWA  | 0.1 ppm     |
| Carbon Dioxide (CAS 124-38-9)        | STEL | 54000 mg/m3 |
|                                      |      | 30000 ppm   |
|                                      | TWA  | 9000 mg/m3  |
|                                      |      | 5000 ppm    |
| Cumene (CAS 98-82-8)                 | TWA  | 245 mg/m3   |
|                                      |      | 50 ppm      |
| Ethylbenzene (CAS 100-41-4)          | STEL | 545 mg/m3   |
|                                      |      | 125 ppm     |
|                                      | TWA  | 435 mg/m3   |
|                                      |      | 100 ppm     |
| Hexane (CAS 110-54-3)                | TWA  | 180 mg/m3   |
|                                      |      | 50 ppm      |
| Naphthalene (CAS 91-20-3)            | STEL | 75 mg/m3    |
|                                      |      | 15 ppm      |
|                                      | TWA  | 50 mg/m3    |
|                                      |      | 10 ppm      |
| Nonane (CAS 111-84-2)                | TWA  | 1050 mg/m3  |
|                                      |      | 200 ppm     |
| Toluene (CAS 108-88-3)               | STEL | 560 mg/m3   |
|                                      |      | 150 ppm     |
|                                      | TWA  | 375 mg/m3   |
|                                      |      | 100 ppm     |
| Trimethylbenzene (CAS 25551-13-7)    | TWA  | 125 mg/m3   |
|                                      |      | 25 ppm      |
| Xylene (CAS 1330-20-7)               | STEL | 655 mg/m3   |
|                                      |      | 150 ppm     |
|                                      | TWA  | 435 mg/m3   |
|                                      |      | 100 ppm     |

## Biological limit values

### ACGIH Biological Exposure Indices

| Components                  | Value     | Determinant                                   | Specimen            | Sampling Time |
|-----------------------------|-----------|---|---------------------|---------------|
| Benzene (CAS 71-43-2)       | 25 µg/g   | S-Phenylmercapturic acid                      | Creatinine in urine | *             |
| Ethylbenzene (CAS 100-41-4) | 0.15 g/g  | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | *             |
| Hexane (CAS 110-54-3)       | 0.4 mg/l  | 2,5-Hexanedione, without hydrolysis           | Urine               | *             |
| 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               | *             |
| Xylene (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

|                           |                                   |
|---------------------------|-----------------------------------|
| Benzene (CAS 71-43-2)     | Can be absorbed through the skin. |
| Cumene (CAS 98-82-8)      | Can be absorbed through the skin. |
| Hexane (CAS 110-54-3)     | Can be absorbed through the skin. |
| Naphthalene (CAS 91-20-3) | Can be absorbed through the skin. |
| Toluene (CAS 108-88-3)    | Can be absorbed through the skin. |

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

|                        |                           |
|------------------------|---------------------------|
| Cumene (CAS 98-82-8)   | Skin designation applies. |
| Toluene (CAS 108-88-3) | Skin designation applies. |

### US - Tennessee OELs: Skin designation

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

### US ACGIH Threshold Limit Values: Skin designation

|                           |                                   |
|---------------------------|-----------------------------------|
| Benzene (CAS 71-43-2)     | Can be absorbed through the skin. |
| Hexane (CAS 110-54-3)     | Can be absorbed through the skin. |
| Naphthalene (CAS 91-20-3) | 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. |
|----------------------|-----------------------------------|

### 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 and safety shower.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Face shield is recommended. Wear safety glasses with side shields (or goggles).

### Skin protection

**Hand protection** Wear appropriate chemical resistant 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. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded. Dust & vapor respirator.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

When using do not smoke. Keep away from food and drink. 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 -55.54 °F (-48.64 °C) estimated

Initial boiling point and boiling range 314.6 °F (157 °C) estimated

Flash point 100.0 °F (37.8 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

### Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.29331 hPa estimated

Vapor density Not available.

Relative density Not available.

### Solubility(ies)

Solubility (water) Insoluble

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature 229 °F (109.44 °C) estimated

Decomposition temperature Not available.

Viscosity Not available.

### Other information

Density 6.64987 lbs/gal estimated

Explosive properties Not explosive.

Flammability class Flammable IC estimated

Heat of combustion (NFPA 30B) 37.8 kJ/g estimated

Oxidizing properties Not oxidizing.

Percent volatile 14.56 % estimated

Specific gravity 0.79687 estimated

VOC 87.92 % 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 No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong acids. Strong oxidizing agents. Halogens. Nitrates. Peroxides.

Hazardous decomposition products No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.   |
| <b>Skin contact</b> | Causes skin irritation.  |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>    | Harmful if swallowed. 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. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

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

| Components                           | Species | Test Results                   |
|--------------------------------------|---------|--------------------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) |         |                                |
| <b>Acute</b>                         |         |                                |
| <b>Dermal</b>                        |         |                                |
| LD50                                 | Rabbit  | > 3160 mg/kg                   |
| <b>Oral</b>                          |         |                                |
| LD50                                 | Rat     | 6 g/kg                         |
| Benzene (CAS 71-43-2)                |         |                                |
| <b>Acute</b>                         |         |                                |
| <b>Oral</b>                          |         |                                |
| LD50                                 | Rat     | 3306 mg/kg<br>690 - 1230 mg/kg |
| Cumene (CAS 98-82-8)                 |         |                                |
| <b>Acute</b>                         |         |                                |
| <b>Dermal</b>                        |         |                                |
| LD50                                 | Rabbit  | > 3160 mg/kg, 24 Hours         |
| <b>Inhalation</b>                    |         |                                |
| <i>Vapor</i>                         |         |                                |
| LC50                                 | Mouse   | 10 mg/l, 7 Hours               |
| <b>Oral</b>                          |         |                                |
| LD50                                 | Rat     | 2260 mg/kg                     |
| Ethylbenzene (CAS 100-41-4)          |         |                                |
| <b>Acute</b>                         |         |                                |
| <b>Oral</b>                          |         |                                |
| LD50                                 | Rat     | 3500 mg/kg                     |
| Hexane (CAS 110-54-3)                |         |                                |
| <b>Acute</b>                         |         |                                |
| <b>Dermal</b>                        |         |                                |
| LD50                                 | Rabbit  | > 2000 mg/kg, 4 Hours          |
| <b>Inhalation</b>                    |         |                                |
| <i>Vapor</i>                         |         |                                |
| LC50                                 | Rat     | > 31.86 mg/l, 4 Hours          |
| <b>Oral</b>                          |         |                                |
| LD50                                 | Rat     | 28710 mg/kg                    |



| Components  | Species  | Test Results              |
|---|--|---------------------------|
| Light Aromatic Hydrocarbon  |  |                           |
| <b>Acute</b>  |  |                           |
| <b>Dermal</b>   |  |                           |
| <i>Liquid</i>   |  |                           |
| LD50  | Rabbit   | > 2000 mg/kg              |
| <b>Oral</b>   |  |                           |
| <i>Liquid</i>   |  |                           |
| LD50  | Rat  | > 5000 mg/kg              |
| Naphthalene (CAS 91-20-3)   |  |                           |
| <b>Acute</b>  |  |                           |
| <b>Dermal</b>   |  |                           |
| LD50  | Rabbit   | > 2 g/kg                  |
| <b>Oral</b>   |  |                           |
| LD50  | Rat  | 490 mg/kg                 |
| Toluene (CAS 108-88-3)  |  |                           |
| <b>Acute</b>  |  |                           |
| <b>Dermal</b>   |  |                           |
| LD50  | Rabbit   | > 5000 mg/kg, 24 Hours    |
| <b>Inhalation</b>   |  |                           |
| LC50  | Rat  | 12.5 - 28.8 mg/l, 4 Hours |
| <b>Oral</b>   |  |                           |
| LD50  | Rat  | 2.6 g/kg                  |
| Trimethylbenzene (CAS 25551-13-7)                                     |  |                           |
| <b>Acute</b>  |  |                           |
| <b>Oral</b>   |  |                           |
| LD50  | Rat  | 8970 mg/kg                |
| Xylene (CAS 1330-20-7)  |  |                           |
| <b>Acute</b>  |  |                           |
| <b>Dermal</b>   |  |                           |
| LD50  | Rabbit   | 12130 mg/kg, 24 Hours     |
| <b>Inhalation</b>   |  |                           |
| LC50  | Rat  | 6350 mg/l, 4 Hours        |
| <b>Oral</b>   |  |                           |
| LD50  | Rat  | 3523 - 8600 mg/kg         |
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation.  |                           |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye irritation.   |                           |
| <b>Respiratory or skin sensitization</b>                              |  |                           |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.  |                           |
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization.  |                           |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                           |
| <b>Carcinogenicity</b>  | Risk of cancer cannot be excluded with prolonged exposure.   |                           |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |  |                           |
| Benzene (CAS 71-43-2)   | 1 Carcinogenic to humans.  |                           |
| Cumene (CAS 98-82-8)  | 2B Possibly carcinogenic to humans.  |                           |
| Ethylbenzene (CAS 100-41-4)   | 2B Possibly carcinogenic to humans.  |                           |
| Naphthalene (CAS 91-20-3)   | 2B Possibly carcinogenic to humans.  |                           |
| Toluene (CAS 108-88-3)  | 3 Not classifiable as to carcinogenicity to humans.  |                           |
| Xylene (CAS 1330-20-7)  | 3 Not classifiable as to carcinogenicity to humans.  |                           |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b> |  |                           |
| Benzene (CAS 71-43-2)   | Cancer   |                           |

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

Benzene (CAS 71-43-2)

Known To Be Human Carcinogen.

Cumene (CAS 98-82-8)

Reasonably Anticipated to be a Human Carcinogen.

Naphthalene (CAS 91-20-3)

Reasonably Anticipated to be a Human Carcinogen.

|   |   |
|---|---|
| <b>Reproductive toxicity</b>                              | Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness and dizziness.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.   |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.   |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.                                  |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components                           |      | Species  | Test Results                 |
|--------------------------------------|------|--|------------------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Fish                                 | LC50 | Fathead minnow ( <i>Pimephales promelas</i> )                | 7.19 - 8.28 mg/l, 96 hours   |
| Benzene (CAS 71-43-2)                |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Crustacea                            | EC50 | Water flea ( <i>Daphnia magna</i> )                          | 8.76 - 15.6 mg/l, 48 hours   |
| Fish                                 | LC50 | Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> ) | 7.2 - 11.7 mg/l, 96 hours    |
| Cumene (CAS 98-82-8)                 |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Crustacea                            | EC50 | Brine shrimp ( <i>Artemia</i> sp.)                           | 3.55 - 11.29 mg/l, 48 hours  |
| Fish                                 | LC50 | Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> ) | 2.7 mg/l, 96 hours           |
| Ethylbenzene (CAS 100-41-4)          |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Crustacea                            | EC50 | Water flea ( <i>Daphnia magna</i> )                          | 1.37 - 4.4 mg/l, 48 hours    |
| Fish                                 | LC50 | Fathead minnow ( <i>Pimephales promelas</i> )                | 7.5 - 11 mg/l, 96 hours      |
| Hexane (CAS 110-54-3)                |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Fish                                 | LC50 | Fathead minnow ( <i>Pimephales promelas</i> )                | 2.101 - 2.981 mg/l, 96 hours |
| Naphthalene (CAS 91-20-3)            |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Crustacea                            | EC50 | Water flea ( <i>Daphnia magna</i> )                          | 1.09 - 3.4 mg/l, 48 hours    |
| Fish                                 | LC50 | Pink salmon ( <i>Oncorhynchus gorbuscha</i> )                | 1.11 - 1.68 mg/l, 96 hours   |
| Toluene (CAS 108-88-3)               |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Crustacea                            | EC50 | Water flea ( <i>Daphnia magna</i> )                          | 5.46 - 9.83 mg/l, 48 hours   |
| Fish                                 | LC50 | Coho salmon,silver salmon ( <i>Oncorhynchus kisutch</i> )    | 8.11 mg/l, 96 hours          |
| Xylene (CAS 1330-20-7)               |      |  |                              |
| <b>Aquatic</b>                       |      |  |                              |
| Fish                                 | LC50 | Bluegill ( <i>Lepomis macrochirus</i> )                      | 7.711 - 9.591 mg/l, 96 hours |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

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

Benzene

2.13

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

|              |            |
|--------------|------------|
| Cumene       | 3.66       |
| Ethylbenzene | 3.15       |
| Hexane       | 3.9        |
| Naphthalene  | 3.3        |
| Nonane       | 5.46       |
| Toluene      | 2.73       |
| Xylene       | 3.12 - 3.2 |

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

**13. Disposal considerations**

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | D001: Waste Flammable material with a flash point <140 F<br>D018: Waste Benzene<br>The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  |
| <b>Waste from residues / unused products</b> | 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).   |
| <b>Contaminated packaging</b>                | 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), Limited Quantity |
| <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 available.   |
| <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>      | Aerosol, flammable  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | Not available.  |
| <b>Environmental hazards</b>        | Yes   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

**IMDG**

|                                   |  |
|-----------------------------------|--|
| <b>UN number</b>                  | UN1950   |
| <b>UN proper shipping name</b>    | Aerosols, MARINE POLLUTANT (Petroleum Distillates) |
| <b>Transport hazard class(es)</b> |  |
| <b>Class</b>                      | 2.1  |
| <b>Subsidiary risk</b>            | -  |
| <b>Packing group</b>              | Not available.                                     |

**Environmental hazards**

**Marine pollutant** Yes

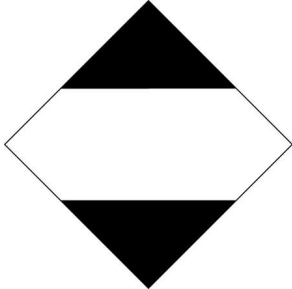
**EmS** F-D, S-U

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

Petroleum Distillates

**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)**

Nonane (CAS 111-84-2) 1.0 % One-Time Export Notification only.

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

- Benzene (CAS 71-43-2) Listed.
- Cumene (CAS 98-82-8) Listed.
- Ethylbenzene (CAS 100-41-4) Listed.
- Hexane (CAS 110-54-3) Listed.
- Naphthalene (CAS 91-20-3) Listed.
- Nonane (CAS 111-84-2) Listed.
- Toluene (CAS 108-88-3) Listed.
- Xylene (CAS 1330-20-7) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Benzene (CAS 71-43-2)

Cancer  
Central nervous system  
Blood  
Aspiration  
Skin  
Eye  
respiratory tract irritation  
Flammability**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard  
Hazard not otherwise classified (HNOC)**SARA 313 (TRI reporting)**

| Chemical name          | CAS number | % by wt. |
|------------------------|------------|----------|
| 1,2,4-Trimethylbenzene | 95-63-6    | 5 - < 10 |
| Benzene                | 71-43-2    | < 1      |
| Cumene                 | 98-82-8    | 1 - < 3  |
| Ethylbenzene           | 100-41-4   | 1 - < 3  |
| Hexane                 | 110-54-3   | 1 - < 3  |
| Naphthalene            | 91-20-3    | < 1      |
| Toluene                | 108-88-3   | 1 - < 3  |
| Xylene                 | 1330-20-7  | 5 - < 10 |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**Benzene (CAS 71-43-2)  
Cumene (CAS 98-82-8)  
Ethylbenzene (CAS 100-41-4)  
Hexane (CAS 110-54-3)  
Naphthalene (CAS 91-20-3)  
Toluene (CAS 108-88-3)  
Xylene (CAS 1330-20-7)**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**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****California Proposition 65****WARNING:** This product can expose you to chemicals including naphthalene, which are known to the State of California to cause cancer, and toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

|                             |                           |
|-----------------------------|---------------------------|
| Benzene (CAS 71-43-2)       | Listed: February 27, 1987 |
| Cumene (CAS 98-82-8)        | Listed: April 6, 2010     |
| Ethylbenzene (CAS 100-41-4) | Listed: June 11, 2004     |
| Naphthalene (CAS 91-20-3)   | Listed: April 19, 2002    |

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

|                        |                           |
|------------------------|---------------------------|
| Benzene (CAS 71-43-2)  | Listed: December 26, 1997 |
| Toluene (CAS 108-88-3) | Listed: January 1, 1991   |

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

|                       |                           |
|-----------------------|---------------------------|
| Benzene (CAS 71-43-2) | Listed: December 26, 1997 |
|-----------------------|---------------------------|

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

1,2,4-Trimethylbenzene (CAS 95-63-6)  
 Benzene (CAS 71-43-2)  
 Cumene (CAS 98-82-8)  
 Ethylbenzene (CAS 100-41-4)  
 Hexane (CAS 110-54-3)  
 Naphthalene (CAS 91-20-3)  
 Toluene (CAS 108-88-3)  
 Trimethylbenzene (CAS 25551-13-7)  
 Xylene (CAS 1330-20-7)

**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)   | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| 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)  | No                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | No                     |
| 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**

|                      |   |
|----------------------|---|
| <b>Issue date</b>    | 05-20-2015  |
| <b>Revision date</b> | 03-26-2020  |
| <b>Version #</b>     | 10  |
| <b>HMIS® ratings</b> | Health: 3*<br>Flammability: 4<br>Physical hazard: 0 |
| <b>NFPA ratings</b>  | Health: 2<br>Flammability: 4<br>Instability: 0      |

**NFPA ratings**

**Disclaimer**

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.