

# SAFETY DATA SHEET

Konform® SR medium viscosity

## Section 1. Identification

**GHS product identifier** : Konform® SR medium viscosity  
**Other means of identification** : Coating Solution  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

**Supplier's details** : Chemtronics  
8125 Cobb Center Drive  
Kennesaw, GA 30152  
  
Tel. 770-424-4888 or toll free 800-645-5244

**Emergency telephone number (with hours of operation)** : Chemtrec - 1-800-424-9300 or collect 703-527-3887  
24/7

## Section 2. Hazards identification

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

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 2  
ACUTE TOXICITY (oral) - Category 4  
SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 85.2%

### GHS label elements

#### Hazard pictograms



**Signal word** : Danger  
**Hazard statements** : Highly flammable liquid and vapor.  
Harmful if swallowed.  
Causes serious eye irritation.  
Causes skin irritation.

### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response** : IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

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

## Section 2. Hazards identification

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

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Coating Solution

### CAS number/other identifiers

**CAS number** : Not applicable.

**Product code** : CTSR-MV5

| Ingredient name | %       | CAS number |
|-----------------|---------|------------|
| toluene         | 10 - 25 | 108-88-3   |
| Acetone         | 1 - 10  | 67-64-1    |
| n-hexane        | 1 - 2   | 110-54-3   |

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

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

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

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.
- Skin contact** : Causes skin irritation.

## Section 4. First aid measures

**Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
dizziness/vertigo  
drowsiness/fatigue  
headache  
unconsciousness

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

**Ingestion** : Adverse symptoms may include the following:  
Irritating to mouth, throat and stomach.  
May cause blindness if swallowed.

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

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

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

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

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

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

## Section 7. Handling and storage

### Precautions for safe handling

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

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

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

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name | Exposure limits  |
|-----------------|--|
| toluene         | <p><b>ACGIH TLV (United States, 4/2014).</b><br/>TWA: 20 ppm 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013).</b><br/>STEL: 560 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 150 ppm 15 minutes.<br/>TWA: 375 mg/m<sup>3</sup> 10 hours.<br/>TWA: 100 ppm 10 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>STEL: 560 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 150 ppm 15 minutes.<br/>TWA: 375 mg/m<sup>3</sup> 8 hours.<br/>TWA: 100 ppm 8 hours.</p> <p><b>OSHA PEL Z2 (United States, 2/2013).</b><br/>AMP: 500 ppm 10 minutes.<br/>CEIL: 300 ppm<br/>TWA: 200 ppm 8 hours.</p>                                     |
| Acetone         | <p><b>ACGIH TLV (United States, 4/2014).</b><br/>STEL: 1782 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 750 ppm 15 minutes.<br/>TWA: 1188 mg/m<sup>3</sup> 8 hours.<br/>TWA: 500 ppm 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013).</b><br/>TWA: 590 mg/m<sup>3</sup> 10 hours.<br/>TWA: 250 ppm 10 hours.</p> <p><b>OSHA PEL (United States, 2/2013).</b><br/>TWA: 2400 mg/m<sup>3</sup> 8 hours.<br/>TWA: 1000 ppm 8 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>STEL: 2400 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 1000 ppm 15 minutes.<br/>TWA: 1800 mg/m<sup>3</sup> 8 hours.<br/>TWA: 750 ppm 8 hours.</p> |
| n-hexane        | <p><b>ACGIH TLV (United States, 4/2014).</b><br/><b>Absorbed through skin.</b><br/>TWA: 50 ppm 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013).</b><br/>TWA: 180 mg/m<sup>3</sup> 10 hours.<br/>TWA: 50 ppm 10 hours.</p> <p><b>OSHA PEL (United States, 2/2013).</b><br/>TWA: 1800 mg/m<sup>3</sup> 8 hours.<br/>TWA: 500 ppm 8 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>TWA: 180 mg/m<sup>3</sup> 8 hours.<br/>TWA: 50 ppm 8 hours.</p>   |

### Appropriate engineering controls

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

### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

## Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid. [Liquid.]
- Color** : Translucent.
- Odor** : Hydrocarbon.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : 138°C (280.4°F)
- Flash point** : Closed cup: 16°C (60.8°F) [Tagliabue.]
- Evaporation rate** : >1 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 23.2 kPa (174 mm Hg) [50°C]
- Vapor density** : >1 [Air = 1]
- Relative density** : Not available.
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.

## Section 10. Stability and reactivity

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

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

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

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

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

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

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                | Species | Dose                | Exposure |
|-------------------------|-----------------------|---------|---------------------|----------|
| toluene                 | LC50 Inhalation Vapor | Rat     | 49 g/m <sup>3</sup> | 4 hours  |
|                         | LD50 Oral             | Rat     | 636 mg/kg           | -        |
| Acetone                 | LD50 Oral             | Rat     | 5800 mg/kg          | -        |
| n-hexane                | LC50 Inhalation Gas.  | Rat     | 48000 ppm           | 4 hours  |
|                         | LD50 Oral             | Rat     | 15840 mg/kg         | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure                 | Observation |
|-------------------------|--------------------------|---------|-------|--------------------------|-------------|
| toluene                 | Eyes - Mild irritant     | Rabbit  | -     | 0.5 minutes              | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 100 milligrams           | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 870 Micrograms           | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 2 milligrams    | -           |
|                         | Skin - Mild irritant     | Pig     | -     | 24 hours 250 microliters | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 435 milligrams           | -           |
| Acetone                 | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams   | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 500 milligrams           | -           |
|                         | Eyes - Mild irritant     | Human   | -     | 186300 parts per million | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 10 microliters           | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams   | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 20 milligrams            | -           |
| n-hexane                | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams  | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 395 milligrams           | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 10 milligrams            | -           |

#### Sensitization

Not available.

## Section 11. Toxicological information

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| toluene                 | -    | 3    | -   |

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

| Name    | Category   | Route of exposure | Target organs    |
|---------|------------|-------------------|------------------|
| Acetone | Category 3 | Not applicable.   | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.
- Skin contact** : Causes skin irritation.
- Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

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

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
dizziness/vertigo  
drowsiness/fatigue  
headache  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : Adverse symptoms may include the following:  
Irritating to mouth, throat and stomach.  
May cause blindness if swallowed.

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

#### Short term exposure



## Section 11. Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

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

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

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

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

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

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

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route | ATE value    |
|-------|--------------|
| Oral  | 1090.3 mg/kg |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                               | Species  | Exposure |
|-------------------------|--------------------------------------|--|----------|
| toluene                 | Acute EC50 433 ppm Marine water      | Algae - Skeletonema costatum   | 96 hours |
|                         | Acute EC50 12500 µg/l Fresh water    | Algae - Pseudokirchneriella subcapitata                                | 72 hours |
|                         | Acute EC50 11600 µg/l Fresh water    | Crustaceans - Gammarus pseudolimnaeus - Adult                          | 48 hours |
|                         | Acute EC50 6000 µg/l Fresh water     | Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)    | 48 hours |
|                         | Acute LC50 5500 µg/l Fresh water     | Fish - Oncorhynchus kisutch - Fry                                      | 96 hours |
| Acetone                 | Chronic NOEC 500000 µg/l Fresh water | Algae - Pseudokirchneriella subcapitata                                | 96 hours |
|                         | Chronic NOEC 1000 µg/l Fresh water   | Daphnia - Daphnia magna  | 21 days  |
|                         | Acute EC50 20.565 mg/l Marine water  | Algae - Ulva pertusa   | 96 hours |
|                         | Acute LC50 6000000 µg/l Fresh water  | Crustaceans - Gammarus pulex   | 48 hours |
|                         | Acute LC50 10000 µg/l Fresh water    | Daphnia - Daphnia magna  | 48 hours |
|                         | Acute LC50 100 mg/l Fresh water      | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
|                         | Chronic NOEC 4.95 mg/l Marine water  | Algae - Ulva pertusa   | 96 hours |
|                         | Chronic NOEC 0.016 ml/L Fresh water  | Crustaceans - Daphniidae   | 21 days  |
|                         | Chronic NOEC 0.1 ml/L Fresh water    | Daphnia - Daphnia magna - Neonate                                      | 21 days  |
|                         | Chronic NOEC 5 µg/l Marine water     | Fish - Gasterosteus aculeatus - Larvae                                 | 42 days  |
| n-hexane                | Acute LC50 113000 µg/l Fresh water   | Fish - Oreochromis mossambicus   | 96 hours |

### Persistence and degradability

Not available.

## Section 12. Ecological information

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF     | Potential |
|-------------------------|--------------------|---------|-----------|
| toluene                 | 2.73               | 90      | low       |
| Acetone                 | -0.23              | -       | low       |
| n-hexane                | 4                  | 501.187 | high      |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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







## Section 13. Disposal considerations

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

### United States - RCRA Toxic hazardous waste "U" List

| Ingredient  | CAS #               | Status           | Reference number |
|---|---------------------|------------------|------------------|
| Toluene; Benzene, methyl-Acetone (l); 2-Propanone (l) | 108-88-3<br>67-64-1 | Listed<br>Listed | U220<br>U002     |

## Section 14. Transport information

|                                   | DOT Classification   | TDG Classification   | Mexico Classification  | ADR/RID   | IMDG   | IATA   |
|-----------------------------------|--|--|--|---|--|--|
| <b>UN number</b>                  | UN1139   | UN1139   | UN1139   | UN1139  | UN1139   | UN1139   |
| <b>UN proper shipping name</b>    | Coating Solution   | Coating Solution   | Coating Solution   | Coating Solution  | Coating Solution   | Coating Solution   |
| <b>Transport hazard class(es)</b> | 3<br> | 3<br> | 3<br> | 3<br> | 3<br> | 3<br> |
| <b>Packing group</b>              | II   | II   | II   | II  | II   | II   |
| <b>Environmental hazards</b>      | No.  | No.  | No.  | No.   | No.  | No.  |
|                                   |  |  |  |   |  |  |

## Section 14. Transport information

|                               |   |   |   |                                      |   |   |
|-------------------------------|---|---|---|--------------------------------------|---|---|
| <b>Additional information</b> | <b>Reportable quantity</b><br>5714.3 lbs /<br>2594.3 kg [778.79 gal / 2948.1 L]<br>Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. | - | - | <b>Special provisions</b><br>640 (D) | - | - |
|-------------------------------|---|---|---|--------------------------------------|---|---|

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

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** 2-methoxy-1-methylethyl acetate  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
All components are listed or exempted.  
**Clean Water Act (CWA) 307:** toluene  
**Clean Water Act (CWA) 311:** toluene

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

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

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

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

**DEA List II Chemicals (Essential Chemicals)** : Listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

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

#### Composition/information on ingredients

## Section 15. Regulatory information

| Name     | %       | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|----------|---------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| toluene  | 10 - 25 | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| Acetone  | 1 - 10  | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| n-hexane | 1 - 2   | Yes.        | No.                        | No.      | Yes.                            | No.                             |

### SARA 313

|  | Product name | CAS number | %       |
|--|--------------|------------|---------|
| <b>Form R - Reporting requirements</b> | toluene      | 108-88-3   | 10 - 25 |
|  | n-hexane     | 110-54-3   | 1 - 2   |
| <b>Supplier notification</b>           | toluene      | 108-88-3   | 10 - 25 |
|  | n-hexane     | 110-54-3   | 1 - 2   |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

#### Massachusetts

: The following components are listed: TOLUENE; ACETONE; ISOHEXANE; 3-METHYLPENTANE; 2,3-DIMETHYLBUTANE; 2,2-DIMETHYLBUTANE; HEXANE

#### New York

: The following components are listed: Toluene; Acetone; 2-Propanone; Hexane

#### New Jersey

: The following components are listed: TOLUENE; BENZENE, METHYL-; ACETONE; 2-PROPANONE; 2-METHYLPENTANE; ISOHEXANE; 2,3-DIMETHYLBUTANE; BUTANE, 2,3-DIMETHYL-; NEOHEXANE; 2,2 DIMETHYL BUTANE; n-HEXANE; HEXANE

#### Pennsylvania

: The following components are listed: BENZENE, METHYL-; 2-PROPANONE; PENTANE, 2-METHYL-; PENTANE, 3-METHYL-; BUTANE, 2,3-DIMETHYL-; BUTANE, 2,2-DIMETHYL-; HEXANE

### California Prop. 65

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

| Ingredient name | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level                      |
|-----------------|--------|--------------|---------------------------|--|
| toluene         | No.    | Yes.         | No.                       | 7000 µg/day (ingestion)<br>13000 µg/day (inhalation) |

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

#### Australia

: All components are listed or exempted.

## Section 15. Regulatory information

|                   |  |
|-------------------|--|
| Canada            | : All components are listed or exempted. |
| China             | : All components are listed or exempted. |
| Europe            | : Not determined.                        |
| Japan             | : Not determined.                        |
| Malaysia          | : Not determined.                        |
| New Zealand       | : All components are listed or exempted. |
| Philippines       | : All components are listed or exempted. |
| Republic of Korea | : All components are listed or exempted. |
| Taiwan            | : Not determined.                        |

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |
|------------------|---|
| Health           | 2 |
| Flammability     | 3 |
| Physical hazards | 1 |
|                  |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

|                                |  |
|--------------------------------|--|
| Date of printing               | : 10/12/2015.  |
| Date of issue/Date of revision | : 10/12/2015.  |
| Date of previous issue         | : No previous validation.  |
| Version                        | : 1  |
| Key to abbreviations           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>UN = United Nations |

## Section 16. Other information

**References** : Not available.

✔ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.