

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** DEVCON® Flexane® Primer FL-10

**Other means of identification**  
**SKU#** 15980

**Recommended use** Not available.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** ITW Performance Polymers  
**Address** 30 Endicott Street  
Danvers, MA 01923  
United States

**Telephone** Customer Service 978-777-1100  
**Website** www.itwperformancepolymers.com  
**E-mail** Not available.

**Contact person** EHS Department

**Emergency phone number** Chemtrec 800-424-9300  
International 703-527-3887

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 2

**Health hazards** Acute toxicity, oral Category 4  
Acute toxicity, inhalation Category 4  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Carcinogenicity Category 2  
Reproductive toxicity Category 2  
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation  
Specific target organ toxicity, single exposure Category 3 narcotic effects  
Specific target organ toxicity, repeated exposure Category 2  
Aspiration hazard Category 1

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word**

Danger

**Hazard statement**

Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.

### Storage

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### Disposal

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

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

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.

### Supplemental information

None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %       |
|--|--------------------------|------------|---------|
| IPA - Isopropyl Alcohol                  |                          | 67-63-0    | 15 - 40 |
| Methyl Isobutyl Ketone ( MIBK )          |                          | 108-10-1   | 15 - 40 |
| Toluene                                  |                          | 108-88-3   | 15 - 40 |
| Ethyl Alcohol                            |                          | 64-17-5    | 1 - 5   |
| Other components below reportable levels |                          |            | 1 - <3  |

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.

### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### 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. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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

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. May cause respiratory irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

### Suitable extinguishing media

Water fog. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

|  |  |
|--|--|
| <b>Specific hazards arising from the chemical</b>                    | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | Highly flammable liquid and vapor.   |

## 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. 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>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. 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> | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. 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. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. 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. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. 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 Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components                                   | Type | Value                  |
|--|------|------------------------|
| Ethyl Alcohol (CAS 64-17-5)                  | PEL  | 1900 mg/m <sup>3</sup> |
|  |      | 1000 ppm               |
| IPA - Isopropyl Alcohol (CAS 67-63-0)        | PEL  | 980 mg/m <sup>3</sup>  |
|  |      | 400 ppm                |
| Methyl Isobutyl Ketone (MIBK) (CAS 108-10-1) | PEL  | 410 mg/m <sup>3</sup>  |
|  |      | 100 ppm                |

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

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

**US. ACGIH Threshold Limit Values**

| Components                                   | Type | Value    |
|--|------|----------|
| Ethyl Alcohol (CAS 64-17-5)                  | STEL | 1000 ppm |
|  |      |          |
| IPA - Isopropyl Alcohol (CAS 67-63-0)        | STEL | 400 ppm  |
|  | TWA  | 200 ppm  |
| Methyl Isobutyl Ketone (MIBK) (CAS 108-10-1) | STEL | 75 ppm   |
|  | TWA  | 20 ppm   |
| Toluene (CAS 108-88-3)                       | TWA  | 20 ppm   |

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

| Components                                   | Type | Value                  |
|--|------|------------------------|
| Ethyl Alcohol (CAS 64-17-5)                  | TWA  | 1900 mg/m <sup>3</sup> |
|  |      | 1000 ppm               |
| IPA - Isopropyl Alcohol (CAS 67-63-0)        | STEL | 1225 mg/m <sup>3</sup> |
|  |      | 500 ppm                |
|  | TWA  | 980 mg/m <sup>3</sup>  |
|  |      | 400 ppm                |
| Methyl Isobutyl Ketone (MIBK) (CAS 108-10-1) | STEL | 300 mg/m <sup>3</sup>  |
|  |      | 75 ppm                 |
|  | TWA  | 205 mg/m <sup>3</sup>  |
|  |      | 50 ppm                 |
| Toluene (CAS 108-88-3)                       | STEL | 560 mg/m <sup>3</sup>  |
|  |      | 150 ppm                |
|  | TWA  | 375 mg/m <sup>3</sup>  |
|  |      | 100 ppm                |

## Biological limit values

### ACGIH Biological Exposure Indices

| Components                                   | Value     | Determinant               | Specimen            | Sampling Time |
|--|-----------|---------------------------|---------------------|---------------|
| IPA - Isopropyl Alcohol (CAS 67-63-0)        | 40 mg/l   | Acetone                   | Urine               | *             |
| Methyl Isobutyl Ketone (MIBK) (CAS 108-10-1) | 1 mg/l    | Methyl isobutyl ketone    | 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               | *             |

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

## Exposure guidelines

### US - California OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

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

Toluene (CAS 108-88-3)

Skin designation applies.

## Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation 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

Chemical respirator with organic vapor cartridge and full facepiece.

### Skin protection

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

### Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. 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                                   | Liquid.                         |
| Physical state                               | Liquid.                         |
| Form   | Liquid.                         |
| Color  | Blue.                           |
| Odor   | Solvent.                        |
| Odor threshold                               | Not available.                  |
| pH   | Not available.                  |
| Melting point/freezing point                 | -138.82 °F (-94.9 °C) estimated |
| Initial boiling point and boiling range      | 180.5 °F (82.5 °C) estimated    |
| Flash point                                  | 50.0 °F (10.0 °C) estimated     |
| Evaporation rate                             | Not available.                  |
| Flammability (solid, gas)                    | Not applicable.                 |
| Upper/lower flammability or explosive limits |                                 |
| Flammability limit - lower (%)               | 1.3 % estimated                 |
| Flammability limit - upper (%)               | 12 % estimated                  |
| Explosive limit - lower (%)                  | Not available.                  |

|  |                                  |
|--|----------------------------------|
| <b>Explosive limit - upper (%)</b>             | Not available.                   |
| <b>Vapor pressure</b>                          | 40.87 hPa estimated              |
| <b>Vapor density</b>                           | Not available.                   |
| <b>Relative density</b>                        | Not available.                   |
| <b>Solubility(ies)</b>                         |                                  |
| <b>Solubility (water)</b>                      | Not available.                   |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                   |
| <b>Auto-ignition temperature</b>               | 750.2 °F (399 °C) estimated      |
| <b>Decomposition temperature</b>               | Not available.                   |
| <b>Viscosity</b>                               | Not available.                   |
| <b>Other information</b>                       |                                  |
| <b>Density</b>                                 | 0.87 g/cm <sup>3</sup> estimated |
| <b>Explosive properties</b>                    | Not explosive.                   |
| <b>Flammability class</b>                      | Flammable IB estimated           |
| <b>Oxidizing properties</b>                    | Not oxidizing.                   |
| <b>Percent volatile</b>                        | 80 %                             |
| <b>Specific gravity</b>                        | 0.87 estimated                   |
| <b>VOC</b>                                     | 640 g/l                          |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Acids. Strong oxidizing agents. Chlorine. Isocyanates.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Harmful if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting.  |
| <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. May cause respiratory irritation. Skin irritation. May cause redness and pain.

### Information on toxicological effects

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

| Components                  | Species | Test Results     |
|-----------------------------|---------|------------------|
| Ethyl Alcohol (CAS 64-17-5) |         |                  |
| <b>Acute</b>                |         |                  |
| <b>Inhalation</b>           |         |                  |
| LC50                        | Mouse   | 39 mg/l, 4 Hours |
| <b>Oral</b>                 |         |                  |
| LD50                        | Rat     | 6.2 g/kg         |

| Components  | Species   | Test Results      |
|---|---|-------------------|
| IPA - Isopropyl Alcohol (CAS 67-63-0)                                 |   |                   |
| <b>Acute</b>  |   |                   |
| <b>Dermal</b>   |   |                   |
| LD50  | Rabbit  | 12800 mg/kg       |
| <b>Oral</b>   |   |                   |
| LD50  | Rat   | 4.7 g/kg          |
| Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1)                        |   |                   |
| <b>Acute</b>  |   |                   |
| <b>Dermal</b>   |   |                   |
| LD50  | Rabbit  | > 16000 mg/kg     |
| <b>Inhalation</b>   |   |                   |
| LC50  | Rat   | 8.2 mg/l, 4 Hours |
| Toluene (CAS 108-88-3)  |   |                   |
| <b>Acute</b>  |   |                   |
| <b>Dermal</b>   |   |                   |
| LD50  | Rabbit  | 12120 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>                                      | Due to partial or complete lack of data the classification is not possible.   |                   |
| <b>Skin sensitization</b>   | Due to partial or complete lack of data the classification is not possible.   |                   |
| <b>Germ cell mutagenicity</b>   | Due to partial or complete lack of data the classification is not possible.   |                   |
| <b>Carcinogenicity</b>  | Suspected of causing cancer.  |                   |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |   |                   |
| Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1)                        | 2B Possibly carcinogenic to humans.   |                   |
| Toluene (CAS 108-88-3)  | 3 Not classifiable as to carcinogenicity to humans.   |                   |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |   |                   |
| Not listed.   |   |                   |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>    |   |                   |
| Not listed.   |   |                   |
| <b>Reproductive toxicity</b>  | Possible reproductive hazard. Suspected of damaging fertility or the unborn child.  |                   |
| <b>Specific target organ toxicity - single exposure</b>               | May cause respiratory irritation. May cause drowsiness and dizziness.   |                   |
| <b>Specific target organ toxicity - repeated exposure</b>             | May cause damage to organs through prolonged or repeated exposure.  |                   |
| <b>Aspiration hazard</b>  | May be fatal if swallowed and enters airways.   |                   |
| <b>Chronic effects</b>  | Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects. |                   |

## 12. Ecological information

|  |  |  |
|--|--|--|
| <b>Ecotoxicity</b>                                       | 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. |  |
| <b>Persistence and degradability</b>                     | No data is available on the degradability of any ingredients in the mixture.   |  |
| <b>Bioaccumulative potential</b>                         |  |  |
| <b>Partition coefficient n-octanol / water (log Kow)</b> |  |  |
| Ethyl Alcohol  | -0.31  |  |
| IPA - Isopropyl Alcohol                                  | 0.05   |  |
| Methyl Isobutyl Ketone ( MIBK )                          | 1.31   |  |
| Toluene  | 2.73   |  |
| <b>Mobility in soil</b>                                  | No data available.   |  |
| <b>Other adverse effects</b>                             | The product contains volatile organic compounds which have a photochemical ozone creation potential.   |  |

### 13. Disposal considerations

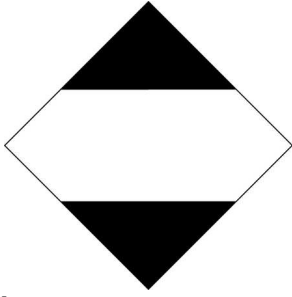
|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered 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>D009: Waste Mercury<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.   |

### 14. Transport information

|   |   |
|---|---|
| <b>DOT</b>  |   |
| <b>UN number</b>  | UN1993  |
| <b>UN proper shipping name</b>  | Flammable liquids, n.o.s. (Toluene RQ = 3326 LBS, Methyl Isobutyl Ketone ( MIBK ) RQ = 14323 LBS), Limited Quantity |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>  | 3   |
| <b>Subsidiary risk</b>  | -   |
| <b>Label(s)</b>   | 3   |
| <b>Packing group</b>  | II  |
| <b>Special precautions for user</b>   | Read safety instructions, SDS and emergency procedures before handling.   |
| <b>Special provisions</b>   | IB2, T7, TP1, TP8, TP28   |
| <b>Packaging exceptions</b>   | 150   |
| <b>Packaging non bulk</b>   | 202   |
| <b>Packaging bulk</b>   | 242   |
| <b>IATA</b>   |   |
| <b>UN number</b>  | UN1993  |
| <b>UN proper shipping name</b>  | Flammable liquid, n.o.s. (Toluene, Methyl Isobutyl Ketone ( MIBK )), Limited Quantity                               |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>  | 3   |
| <b>Subsidiary risk</b>  | -   |
| <b>Packing group</b>  | II  |
| <b>Environmental hazards</b>  | No.   |
| <b>ERG Code</b>   | 3H  |
| <b>Special precautions for user</b>   | Read safety instructions, SDS and emergency procedures before handling.   |
| <b>Other information</b>  |   |
| <b>Passenger and cargo aircraft</b>   | Allowed with restrictions.  |
| <b>Cargo aircraft only</b>  | Allowed with restrictions.  |
| <b>IMDG</b>   |   |
| <b>UN number</b>  | UN1993  |
| <b>UN proper shipping name</b>  | FLAMMABLE LIQUID, N.O.S. (Toluene, Methyl Isobutyl Ketone ( MIBK )), Limited Quantity                               |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>  | 3   |
| <b>Subsidiary risk</b>  | -   |
| <b>Packing group</b>  | II  |
| <b>Environmental hazards</b>  |   |
| <b>Marine pollutant</b>   | No.   |
| <b>EmS</b>  | F-E, S-E  |
| <b>Special precautions for user</b>   | Read safety instructions, SDS and emergency procedures before handling.   |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.  |



DOT; IMDG



IATA



## 15. Regulatory information

### US federal regulations

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

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

|  |       |
|--|-------|
| IPA - Isopropyl Alcohol (CAS 67-63-0)          | % 1.0 |
| Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) | % 0.1 |
| Toluene (CAS 108-88-3)                         | % 1.0 |

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

|  |         |
|--|---------|
| IPA - Isopropyl Alcohol (CAS 67-63-0)          | Listed. |
| Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) | Listed. |
| Toluene (CAS 108-88-3)                         | Listed. |

### Toxic Substances Control Act (TSCA)

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

Not regulated.

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

|  |         |
|--|---------|
| Ethyl Alcohol (CAS 64-17-5)                    | Listed. |
| IPA - Isopropyl Alcohol (CAS 67-63-0)          | Listed. |
| Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) | Listed. |
| Toluene (CAS 108-88-3)                         | Listed. |

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### 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  
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. |
|---------------------------------|------------|----------|
| IPA - Isopropyl Alcohol         | 67-63-0    | 15 - 40  |
| Methyl Isobutyl Ketone ( MIBK ) | 108-10-1   | 15 - 40  |
| Toluene                         | 108-88-3   | 15 - 40  |

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

Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1)  
Toluene (CAS 108-88-3)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) 6715  
Toluene (CAS 108-88-3) 6594

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

Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) 35 %WV  
Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) 6715  
Toluene (CAS 108-88-3) 594

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Ethyl Alcohol (CAS 64-17-5) Low priority  
IPA - Isopropyl Alcohol (CAS 67-63-0) Low priority  
Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) Low priority

**US state regulations****California Proposition 65**

**WARNING:** This product can expose you to chemicals including Methyl Isobutyl Ketone ( MIBK ), which is known to the State of California to cause cancer and 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**

Ethyl Alcohol (CAS 64-17-5) Listed: April 29, 2011  
Listed: July 1, 1988  
Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) Listed: November 4, 2011

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

Ethyl Alcohol (CAS 64-17-5) Listed: October 1, 1987  
Mercury (CAS 7439-97-6) Listed: July 1, 1990  
Methyl Alcohol (CAS 67-56-1) Listed: March 16, 2012  
Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1) Listed: March 28, 2014  
Toluene (CAS 108-88-3) Listed: January 1, 1991

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

IPA - Isopropyl Alcohol (CAS 67-63-0)  
Methyl Isobutyl Ketone ( MIBK ) (CAS 108-10-1)  
Toluene (CAS 108-88-3)

**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                    |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                        | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

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

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

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

|                             |   |
|-----------------------------|---|
| <b>Issue date</b>           | 04-25-2019  |
| <b>Revision date</b>        | 04-01-2020  |
| <b>Version #</b>            | 02  |
| <b>HMIS® ratings</b>        | Health: 2<br>Flammability: 3<br>Physical hazard: 0  |
| <b>NFPA ratings</b>         | Health: 2<br>Flammability: 3<br>Instability: 0  |
| <b>Disclaimer</b>           | ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information 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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. |
| <b>Revision information</b> | Composition / Information on Ingredients: Ingredients<br>Composition/information on ingredients: Component information<br>Stability and reactivity: Conditions to avoid<br>Toxicological information: Aspiration hazard<br>Toxicological information: Mutagenicity<br>Toxicological information: Respiratory sensitization<br>Toxicological information: Skin contact<br>Toxicological information: Specific target organ toxicity - repeated exposure<br>Toxicological information: Specific target organ toxicity - single exposure<br>Disposal considerations: Hazardous waste code  |