1. Identification

Product identifier: DEVCON® Flexane® Brushable Resin

Other means of identification:
SKU#: 6641N

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:
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Sensitization, respiratory Category 1
Sensitization, skin Category 1A
Carcinogenicity Category 2
Specific target organ toxicity, single exposure Category 3 narcotic effects
Specific target organ toxicity, repeated exposure Category 1

Environmental hazards: Not classified.
OSH defined hazards: Not classified.

Label elements:

Signal word: Danger

Hazard statement:
Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. Causes 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. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.
Response
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 or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. 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
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyether prepolymer of IPDI, MDI and PICM</td>
<td>N/A</td>
<td>60 - 80</td>
<td></td>
</tr>
<tr>
<td>ETHYL ACETATE</td>
<td>141-78-6</td>
<td>20 - 40</td>
<td></td>
</tr>
<tr>
<td>3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE</td>
<td>4098-71-9</td>
<td>2.5 - 10</td>
<td></td>
</tr>
<tr>
<td>4,4’-methylene diisocyanate</td>
<td>101-68-8</td>
<td>2.5 - 10</td>
<td></td>
</tr>
<tr>
<td>4,4’-Methylene diisocyanate</td>
<td>5124-30-1</td>
<td>1 - 2.5</td>
<td></td>
</tr>
</tbody>
</table>

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. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. 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

Most important symptoms/effects, acute and delayed

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 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. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media
Water. Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical

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.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Methods and materials for containment and cleaning up

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.

- 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.

- 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.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

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)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-methylenediphenyl Diisocyanate (CAS 101-68-8)</td>
<td>Ceiling</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>ETHYL ACETATE (CAS 141-78-6)</td>
<td>PEL</td>
<td>0.02 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.02 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.02 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>4,4’-Methyleneodicyclohexyl diisocyanate (CAS 5124-30-1)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>4,4’-methylenediphenyl Diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>ETHYL ACETATE (CAS 141-78-6)</td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9)</td>
<td>STEL</td>
<td>0.18 mg/m³</td>
</tr>
<tr>
<td>0.005 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.02 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.045 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.005 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-Methyleneodicyclohexyl diisocyanate (CAS 5124-30-1)</td>
<td>Ceiling</td>
<td>0.11 mg/m³</td>
</tr>
<tr>
<td>0.01 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-methylenediphenyl Diisocyanate (CAS 101-68-8)</td>
<td>Ceiling</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>0.02 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>0.05 mg/m³</td>
</tr>
<tr>
<td>0.005 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ACETATE (CAS 141-78-6)</td>
<td>TWA</td>
<td>1400 mg/m³</td>
</tr>
<tr>
<td>400 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Biological limit values

No biological exposure limits noted for the ingredient(s).
Exposure guidelines

US - California OELs: Skin designation
3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies
3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9)

US - Tennessee OELs: Skin designation
3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9) Can be absorbed through the skin.

4,4’-Methylenedicyclohexyl diisocyanate (CAS 5124-30-1) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation
3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9) Can be absorbed through the skin.

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. 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance
Liquid.

Physical state
Liquid.

Form
Liquid.

Color
Colorless

Odor
Solvent.

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
-117.4 °F (-83 °C) estimated

Initial boiling point and boiling range
170.6 °F (77 °C) estimated

Flash point
24.0 °F (-4.4 °C) estimated

Evaporation rate
Not available.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits
Flammability limit - lower (%) 2 %

Flammability limit - upper (%) 11 %

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure
86.32 hPa estimated

Vapor density
Not available.
Relative density
Not available.

Solubility(ies)
Solubility (water)
Not available.

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

Auto-ignition temperature
800 °F (426.67 °C) estimated

Decomposition temperature
Not available.

Viscosity
Not available.

Other information
Density
0.98 g/cm³ estimated

Explosive properties
Not explosive.

Flammability class
Flammable IB estimated

Oxidizing properties
Not oxidizing.

Specific gravity
0.98 estimated

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

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

Incompatible materials

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.

Skin contact
Causes skin irritation. May cause an allergic skin reaction.

Eye contact
Causes serious eye irritation.

Ingestion
Knowledge about health hazard is incomplete.

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity
Not known.

Components
Test Results

3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9)

Acute
Dermal
LD50
Rat
1060 mg/kg

Inhalation
LC50
Rat
0.123 mg/l, 4 Hours

Oral
LD50
Rat
> 1000 mg/kg

4,4’-Methylenebicyclohexyl diisocyanate (CAS 5124-30-1)

Acute
Dermal
LD50
Rabbit
> 10000 mg/kg
### Test Results

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>Rat</td>
<td>0.295 mg/l, 4 Hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>Rat</td>
<td>1065 mg/kg</td>
</tr>
</tbody>
</table>

**4,4’-methylenediphenyl Diisocyanate (CAS 101-68-8)**

- **Acute**
  - **Inhalation**
    - LC50 | Rat | 0.369 mg/l, 4 Hours |

**ETHYL ACETATE (CAS 141-78-6)**

- **Acute**
  - **Oral**
    - LD50 | Rat | 5.6 g/kg |

**Skin corrosion/irritation**

- Causes skin irritation.

**Serious eye damage/eye irritation**

- Causes serious eye irritation.

**Respiratory or skin sensitization**

- **Respiratory sensitization**
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Skin sensitization**
  - May cause an allergic skin reaction.

**Germ cell mutagenicity**

- Due to partial or complete lack of data the classification is not possible.

**Carcinogenicity**

- **IARC Monographs. Overall Evaluation of Carcinogenicity**
  - 4,4’-methylenediphenyl Diisocyanate (CAS 101-68-8) 3 Not classifiable as to carcinogenicity to humans.

  - Not listed.

- **US. National Toxicology Program (NTP) Report on Carcinogens**
  - Not listed.

**Reproductive toxicity**

- Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity - single exposure**

- May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure**

- Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

- Due to partial or complete lack of data the classification is not possible.

**Chronic effects**

- Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure.

### 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.

**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)**
  - 4,4’-Methylenedicyclohexyl diisocyanate 6.11

**Mobility in soil**

- No data available.

**Other adverse effects**

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

### 13. Disposal considerations

**Disposal instructions**

- Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.

**Local disposal regulations**

- Dispose in accordance with all applicable regulations.
**Hazardous waste code**  
D001: Waste Flammable material with a flash point <140 F  
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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

**Contaminated packaging**  
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

---

**14. Transport information**

**DOT**

- **UN number**: UN1139  
- **UN proper shipping name**: Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining), Limited Quantity

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th>Class</th>
<th>Subsidiary risk</th>
<th>Label(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

- **Packing group**: III  
- **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.  
- **Special provisions**: B1, IB3, T2, TP1

- **Packaging exceptions**: 150

- **Packaging non bulk**: 203

- **Packaging bulk**: 242

**IATA**

- **UN number**: UN1139  
- **UN proper shipping name**: Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining), Limited Quantity

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th>Class</th>
<th>Subsidiary risk</th>
<th>Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>-</td>
<td>III</td>
</tr>
</tbody>
</table>

- **Environmental hazards**: No.

- **ERG Code**: 3L

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

- **Other information**:  
  - **Passenger and cargo aircraft**: Allowed with restrictions.  
  - **Cargo aircraft only**: Allowed with restrictions.

**IMDG**

- **UN number**: UN1139  
- **UN proper shipping name**: COATING SOLUTION (includes surface treatments or coatings used for industrial purposes such as vehicle under-coating, drum or barrel lining), Limited Quantity

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th>Class</th>
<th>Subsidiary risk</th>
<th>Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>-</td>
<td>III</td>
</tr>
</tbody>
</table>

- **Environmental hazards**: No.

- **EmS**: F-E, S-E

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

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

3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9) % 1.0
4,4'-Methylenebis(cyclohexyl) diisocyanate (CAS 5124-30-1) % 1.0
4,4'-methylenebis(phenyl) Diisocyanate (CAS 101-68-8) % 1.0

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

3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9) Listed.
4,4'-Methylenebis(cyclohexyl) diisocyanate (CAS 5124-30-1) Listed.
4,4'-methylenebis(phenyl) Diisocyanate (CAS 101-68-8) Listed.

Toxic Substances Control Act (TSCA)

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

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern


CERCLA Hazardous Substance List (40 CFR 302.4)

4,4'-methylenebis(phenyl) Diisocyanate (CAS 101-68-8) Listed.
ETHYL ACETATE (CAS 141-78-6) Listed.

SARA 304 Emergency release notification

ISOPHORONE DIISOCYANATE (CAS 4098-71-9) 500 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity (pounds)</th>
<th>Threshold planning quantity (pounds)</th>
<th>Threshold planning quantity, lower value (pounds)</th>
<th>Threshold planning quantity, upper value (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE</td>
<td>4098-71-9</td>
<td>500</td>
<td>500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SARA 311/312 Hazardous chemical

Classified hazard categories
Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)
Hazard not otherwise classified (HNOC)

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE</td>
<td>4098-71-9</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>4,4'-Methylene dicyclohexyl diisocyanate</td>
<td>5124-30-1</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>4,4'-methylene diphenyl Diisocyanate</td>
<td>101-68-8</td>
<td>2.5 - 10</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
4,4'-methylene diphenyl Diisocyanate (CAS 101-68-8)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
ETHYL ACETATE (CAS 141-78-6) Low priority

US state regulations
California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYL ISOCYANATE (CAS 4098-71-9)
4,4'-Methylene dicyclohexyl diisocyanate (CAS 5124-30-1)
4,4'-methylene diphenyl Diisocyanate (CAS 101-68-8)
ETHYL ACETATE (CAS 141-78-6)

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) | Yes
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

Issue date          | 05-22-2019
Revision date       | 04-30-2020
NMIS® ratings

Health: 3*
Flammability: 3
Physical hazard: 1

NFPA ratings

Health: 3
Flammability: 3
Instability: 1

Disclaimer

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.

Revision information

Hazard(s) identification: Hazard statement
Composition/information on ingredients: Component information
Stability and reactivity: Conditions to avoid
Toxicological information: Aspiration hazard
Toxicological information: Corrosivity
Toxicological information: Mutagenicity
Toxicological information: Reproductivity
Toxicological information: Respiratory sensitization
Toxicological information: Ingestion
Toxicological information: Skin contact
Toxicological information: Skin contact
Toxicological information: Specific target organ toxicity - repeated exposure
Toxicological information: Specific target organ toxicity - single exposure
SAFETY DATA SHEET

1. Identification

Product identifier: DEVCON® Flexane® Brushable Curing Agent
Other means of identification:
SKU#: 6925N
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 3
Health hazards
Acute toxicity, oral Category 4
Serious eye damage/eye irritation Category 2A
Reproductive toxicity Category 1
Specific target organ toxicity, repeated exposure Category 2

Environmental hazards
Not classified.
OSHA defined hazards
Not classified.

Label elements

Signal word
Danger

Hazard statement
Flammable liquid and vapor. Harmful if swallowed. Causes serious eye irritation. May damage 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. Wear protective gloves/protective clothing/eye protection/face protection.

Response
If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage
Store in a well-ventilated place. Keep cool. Store locked up.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>1-Methoxy-2-propylacetate</td>
<td>108-65-6</td>
<td>60 - 80</td>
</tr>
<tr>
<td>Diethyltoluenediamine</td>
<td></td>
<td>68479-98-1</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Carbon Black</td>
<td></td>
<td>1333-86-4</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td></td>
<td>2.5 - 10</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

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
Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. 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.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

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

Specific hazards arising from the chemical
Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
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. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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.

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.

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.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage
Precautions for safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. 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. 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. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

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. 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 |
--- | --- | --- |
Carbon Black (CAS 1333-86-4) | PEL | 3.5 mg/m³ |

US. ACGIH Threshold Limit Values
Components | Type | Value | Form |
--- | --- | --- | --- |
Carbon Black (CAS 1333-86-4) | TWA | 3 mg/m³ | Inhalable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards
Components | Type | Value |
--- | --- | --- |
Carbon Black (CAS 1333-86-4) | TWA | 0.1 mg/m³ |

US. Workplace Environmental Exposure Level (WEEL) Guides
Components | Type | Value |
--- | --- | --- |
Propylene Glycol Methyl Ether Acetate (CAS 108-65-6) | TWA | 50 ppm |

Biological limit values
No biological exposure limits noted for the ingredient(s).

Exposure guidelines
US - California OELs: Skin designation
Propylene Glycol Methyl Ether Acetate (CAS 108-65-6) Can be absorbed through the skin.

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.
### Individual protection measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Protection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye/face protection</strong></td>
<td>Chemical respirator with organic vapor cartridge and full facepiece.</td>
</tr>
<tr>
<td><strong>Skin protection</strong></td>
<td>Wear appropriate chemical resistant gloves.</td>
</tr>
<tr>
<td><strong>Hand protection</strong></td>
<td>Wear suitable protective clothing. Use of an impervious apron is recommended.</td>
</tr>
<tr>
<td><strong>Respiratory protection</strong></td>
<td>Chemical respirator with organic vapor cartridge and full facepiece.</td>
</tr>
<tr>
<td><strong>Thermal hazards</strong></td>
<td>Wear appropriate thermal protective clothing, when necessary.</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Viscous. Liquid.</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Viscous. Liquid.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Black.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Pungent.</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>114.8 °F (46.0 °C) estimated</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability limit - lower (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability limit - upper (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive limit - lower (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive limit - upper (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>2.44 hPa estimated</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Solubility (water)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>1.06 g/cm³ estimated</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not explosive.</td>
</tr>
<tr>
<td><strong>Flammability class</strong></td>
<td>Combustible II estimated</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>Not oxidizing.</td>
</tr>
<tr>
<td><strong>Specific gravity</strong></td>
<td>1.06 estimated</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

**Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.
Material is stable under normal conditions.

Hazardous polymerization does not occur.

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Strong oxidizing agents.

No hazardous decomposition products are known.

### 11. Toxicological information

#### Information on likely routes of exposure

- **Inhalation**: Prolonged inhalation may be harmful.
- **Skin contact**: Knowledge about health hazard is incomplete.
- **Eye contact**: Causes serious eye irritation.
- **Ingestion**: Harmful if swallowed.

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

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

#### Information on toxicological effects

##### Acute toxicity

Harmful if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black (CAS 1333-86-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 8000 mg/kg</td>
</tr>
</tbody>
</table>

##### Skin corrosion/irritation

Due to partial or complete lack of data the classification is not possible.

##### Serious eye damage/eye irritation

Causes serious eye irritation.

##### Respiratory or skin sensitization

- **Respiratory sensitization**: Due to partial or complete lack of data the classification is not possible.
- **Skin sensitization**: Due to partial or complete lack of data the classification is not possible.
- **Germ cell mutagenicity**: Due to partial or complete lack of data the classification is not possible.
- **Carcinogenicity**: Due to partial or complete lack of data the classification is not possible.

- **IARC Monographs. Overall Evaluation of Carcinogenicity**
  - Carbon Black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

  - Not listed.

- **US. National Toxicology Program (NTP) Report on Carcinogens**
  - Carbon Black (CAS 1333-86-4) Known To Be Human Carcinogen.

##### Reproductive toxicity

May damage fertility or the unborn child.

##### Specific target organ toxicity - single exposure

Due to partial or complete lack of data the classification is not possible.

##### Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

##### Aspiration hazard

Due to partial or complete lack of data the classification is not possible.

##### Chronic effects

Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

### 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.
- **Persistence and degradability**: No data is available on the degradability of any ingredients in the mixture.
- **Bioaccumulative potential**: No data available.
- **Mobility in soil**: No data available.

Material name: DEVCON® Flexane® Brushable Curing Agent
Other adverse effects

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

13. Disposal considerations

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
D001: Waste Flammable material with a flash point <140 F

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

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

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number
UN1139

UN proper shipping name
Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining), Limited Quantity

Transport hazard class(es)

Class 3
Subsidiary risk -
Label(s) 3

Packing group III

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

Special provisions
B1, IB3, T2, TP1

Packaging exceptions 150

Packaging non bulk 203

Packaging bulk 242

IATA

UN number
UN1139

UN proper shipping name
Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining), Limited Quantity

Transport hazard class(es)

Class 3
Subsidiary risk -

Packing group III

Environmental hazards No.

ERG Code 3L

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

Other information

Passenger and cargo aircraft
Allowed with restrictions.

Cargo aircraft only
Allowed with restrictions.

IMDG

UN number
UN1139

UN proper shipping name
COATING SOLUTION (includes surface treatments or coatings used for industrial purposes such as vehicle under-coating, drum or barrel lining), Limited Quantity

Transport hazard class(es)

Class 3
Subsidiary risk -

Packing group III

Environmental hazards No.

Marine pollutant F-E, S-E

Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code DOT; IMDG

IATA

15. Regulatory information

<table>
<thead>
<tr>
<th>US federal regulations</th>
<th>This product is a &quot;Hazardous Chemical&quot; as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic Substances Control Act (TSCA)</td>
<td></td>
</tr>
<tr>
<td>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</td>
<td>Diethyltoluenediamine (CAS 68479-98-1) 1.0 % One-Time Export Notification only.</td>
</tr>
<tr>
<td>CERCLA Hazardous Substance List (40 CFR 302.4)</td>
<td>Not listed.</td>
</tr>
<tr>
<td>SARA 304 Emergency release notification</td>
<td>Not regulated.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical

<table>
<thead>
<tr>
<th>Classified hazard categories</th>
<th>Flammable (gases, aerosols, liquids, or solids)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Acute toxicity (any route of exposure)</td>
</tr>
<tr>
<td></td>
<td>Serious eye damage or eye irritation</td>
</tr>
<tr>
<td></td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td></td>
<td>Specific target organ toxicity (single or repeated exposure)</td>
</tr>
</tbody>
</table>

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.
US state regulations
California Proposition 65

WARNING: This product can expose you to Carbon Black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance
Carbon Black (CAS 1333-86-4) Listed: February 21, 2003
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
Carbon Black (CAS 1333-86-4)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date 05-22-2019
Revision date 04-30-2020
Version # 02

HMIS® ratings
Health: 2*
Flammability: 3
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 3
Instability: 0

Disclaimer
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.

Revision information
This document has undergone significant changes and should be reviewed in its entirety.