

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** DEVCON® Flexane® High Performance Putty Curing Agent

**Other means of identification**

**SKU#** 6923N

**Recommended use** Not available.

**Recommended restrictions** None known.

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

**Company name** ITW Performance Polymers

**Address** 35 Brownridge Rd

Unit 1

Halton Hills, ON L7G 0C6

**Contact person** Customer Service

**Telephone number** 978-777-1100

**Fax**

**E-mail**

**Emergency telephone number** 800-424-9300

**Supplier** Not available.

## 2. Hazard identification

**Physical hazards** Not classified.

|                       |  |             |
|-----------------------|--|-------------|
| <b>Health hazards</b> | Acute toxicity, oral                                       | Category 4  |
|                       | Acute toxicity, dermal                                     | Category 4  |
|                       | Serious eye damage/eye irritation                          | Category 2A |
|                       | Specific target organ toxicity following repeated exposure | Category 2  |

**Environmental hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.

**Precautionary statement**

**Prevention** Do not breathe mist/vapours. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection. Wear protective gloves/protective clothing.

**Response** IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTRE/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Storage** Store away from incompatible materials.

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

**Supplemental information** None.

**Other hazards** None known.

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %         |
|--|--------------------------|------------|-----------|
| Diethyltoluenediamine                    |                          | 68479-98-1 | 60 - < 70 |
| Carbon Black                             |                          | 1333-86-4  | 5 - < 10  |
| Other components below reportable levels |                          |            | 30 - < 40 |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | 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.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | 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. |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | 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>                          | 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>  | No unusual fire or explosion hazards noted.   |

### 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. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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>               | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.  |

### 7. Handling and storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Do not breathe mist/vapours. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |
|--------------------------------------|--|

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values (TLV)

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

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

| Components                   | Type | Value     |
|------------------------------|------|-----------|
| Carbon Black (CAS 1333-86-4) | TWA  | 3.5 mg/m3 |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components                   | Type | Value   | Form      |
|------------------------------|------|---------|-----------|
| Carbon Black (CAS 1333-86-4) | TWA  | 3 mg/m3 | Inhalable |

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

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

#### Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)

| Components                   | Type | Value     |
|------------------------------|------|-----------|
| Carbon Black (CAS 1333-86-4) | TWA  | 3.5 mg/m3 |

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended

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

#### Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended

| Components                   | Type | Value   | Form            |
|------------------------------|------|---------|-----------------|
| Carbon Black (CAS 1333-86-4) | TWA  | 3 mg/m3 | Inhalable dust. |

#### Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended

| Components                   | Type      | Value   |
|------------------------------|-----------|---------|
| Carbon Black (CAS 1333-86-4) | 15 minute | 7 mg/m3 |

### Biological limit values

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

### Appropriate engineering controls

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

**Eye/face protection** Chemical respirator with organic vapour 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 vapour cartridge and full facepiece.

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

**General hygiene considerations**

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**

|   |                                  |
|---|----------------------------------|
| <b>Appearance</b>                                   | Liquid.                          |
| <b>Physical state</b>                               | Liquid.                          |
| <b>Form</b>   | Liquid.                          |
| <b>Colour</b>                                       | Black.                           |
| <b>Odour</b>  | Ammoniacal.                      |
| <b>Odour threshold</b>                              | Not available.                   |
| <b>pH</b>   | > 7 - < 8 @ 5% solution          |
| <b>Melting point/freezing point</b>                 | Not available.                   |
| <b>Initial boiling point and boiling range</b>      | Not available.                   |
| <b>Flash point</b>                                  | 93.3 °C (200.0 °F) estimated     |
| <b>Evaporation rate</b>                             | Not available.                   |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                  |
| <b>Upper/lower flammability or explosive limits</b> |                                  |
| <b>Explosive limit - lower (%)</b>                  | Not available.                   |
| <b>Explosive limit – upper (%)</b>                  | Not available.                   |
| <b>Vapour pressure</b>                              | 0.00009 hPa estimated            |
| <b>Vapour 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>                    | Not available.                   |
| <b>Decomposition temperature</b>                    | Not available.                   |
| <b>Viscosity</b>                                    | Not available.                   |
| <b>Other information</b>                            |                                  |
| <b>Density</b>                                      | 1.03 g/cm <sup>3</sup> estimated |
| <b>Explosive properties</b>                         | Not explosive.                   |
| <b>Flammability class</b>                           | Combustible IIIB estimated       |
| <b>Oxidising properties</b>                         | Not oxidising.                   |
| <b>Specific gravity</b>                             | 1.03 estimated                   |

**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 temperatures exceeding the decomposition temperature. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidising agents.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

**11. Toxicological information****Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No adverse effects due to inhalation are expected. |
| <b>Skin contact</b> | Harmful in contact with skin.                      |

|  |  |              |
|--|--|--------------|
| 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 in contact with skin. Harmful if swallowed.  |              |
| Components   | Species  | Test Results |
| Carbon Black (CAS 1333-86-4)   |  |              |
| Acute  |  |              |
| Oral   |  |              |
| LD50   | Rat  | > 8000 mg/kg |
| Skin corrosion/irritation  | Prolonged skin contact may cause temporary irritation.   |              |
| Serious eye damage/eye irritation  | Causes serious eye irritation.   |              |
| Respiratory or skin sensitisation  |  |              |
| Canada - Alberta OELs: Irritant  |  |              |
| Carbon Black (CAS 1333-86-4)   | Irritant   |              |
| Respiratory sensitisation  | Not a respiratory sensitiser.  |              |
| Skin sensitisation   | This product is not expected to cause skin sensitisation.  |              |
| Germ cell mutagenicity   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |              |
| Carcinogenicity  |  |              |
| ACGIH Carcinogens  |  |              |
| Carbon Black (CAS 1333-86-4)   | A3 Confirmed animal carcinogen with unknown relevance to humans.   |              |
| Canada - Manitoba OELs: carcinogenicity                                      |  |              |
| Carbon Black (CAS 1333-86-4)   | Confirmed animal carcinogen with unknown relevance to humans.  |              |
| Canada - Quebec OELs: Carcinogen category                                    |  |              |
| Carbon Black (CAS 1333-86-4)   | Detected carcinogenic effect in animals.   |              |
| IARC Monographs. Overall Evaluation of Carcinogenicity                       |  |              |
| Carbon Black (CAS 1333-86-4)   | 2B Possibly carcinogenic to humans.  |              |
| US. National Toxicology Program (NTP) Report on Carcinogens                  |  |              |
| Carbon Black (CAS 1333-86-4)   | Known To Be Human Carcinogen.  |              |
| Reproductive toxicity  | This product is not expected to cause reproductive or developmental effects.                                     |              |
| Specific target organ toxicity - single exposure                             | Not classified.  |              |
| Specific target organ toxicity - repeated exposure                           | May cause damage to organs through prolonged or repeated exposure.   |              |
| Aspiration hazard  | Not an aspiration hazard.  |              |
| Chronic effects  | May cause damage to organs through prolonged or repeated exposure.   |              |

## 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>     | No data available.   |
| <b>Mobility in soil</b>              | No data available.   |
| <b>Other adverse effects</b>         | 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

|                              |  |
|------------------------------|--|
| <b>Disposal instructions</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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>                  | 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

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

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

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto Protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Industrial Chemicals (AICIS)                   | 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                     |
| Korea                | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand          | New Zealand Inventory  | Yes                    |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| 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

|                      |   |
|----------------------|---|
| <b>Issue date</b>    | 22-May-2019   |
| <b>Revision date</b> | 28-July-2023  |
| <b>Version No.</b>   | 06  |
| <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. |