# SAFETY DATA SHEET

## 1. Identification

Product identifier DEVCON® Flexane 94 Liquid Resin

Other means of identification

**SKU#** 0321

**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 personCustomer ServiceTelephone number978-777-1100

Fax E-mail

**Emergency telephone** 

number

800-424-9300

Supplier Not available.

## 2. Hazard identification

Physical hazards Not classified.

**Health hazards** Acute toxicity, inhalation Category 2

Skin corrosion/irritation

Serious eye damage/eye irritation

Sensitization, respiratory

Sensitization, skin

Category 2

Category 2

Category 2

Category 2

Category 1

Category 1

Specific target organ toxicity following single Category 3 respiratory tract irritation

exposure

Environmental hazards Not classified.

Label elements



Signal word Danger

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Hazard statement Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Fatal if

inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause

respiratory irritation.

Precautionary statement

**Prevention** Do not breathe vapour. Wash thoroughly after handling. Use only outdoors or in a well-ventilated

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

protection/face protection. Wear protective gloves. Wear respiratory protection.

Response IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep

comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTRE/doctor. Specific treatment is urgent (see this label). If skin irritation or rash occurs: Get

medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off

contaminated clothing and wash it before reuse.

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

Material name: DEVCON® Flexane 94 Liquid Resin

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

Other hazards None known. None.

Supplemental information

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Polyol		N/A	40 - 70
METHYLENE BIS(4-CYCLOHEXYLISOCYANAT )	Ë	5124-30-1	15 - 40
Other components below reportab	le levels		1 - 5

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

## 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. Call a physician or poison control centre immediately.

Remove contaminated clothing immediately and wash skin with soap and water. In case of Skin contact

eczema or other skin disorders: Seek medical attention and take along these instructions. Wash

contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and

delaved

Indication of immediate

medical attention and special treatment needed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

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

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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

Specific hazards arising from

the chemical

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

Move containers from fire area if you can do so without risk.

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

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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 vapours or spray mist. 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.

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# Methods and materials for containment and cleaning up

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.

Small Spills: 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

Do not breathe vapours or spray mist. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

### Occupational exposure limits

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Components	Туре	Value	
METHYLENE BIS(4-CYCLOHEXYLISOC	TWA	0.005 ppm	
YANATE) (CAS 5124-30-1)			

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

Components	Type	Value	
METHYLENE BIS(4-CYCLOHEXYLISOC YANATE) (CAS 5124-30-1)	TWA	0.05 mg/m3	

0.005 ppm

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

Components	Туре	Value	
METHYLENE BIS(4-CYCLOHEXYLISOC YANATE) (CAS 5124-30-1)	Ceiling	0.01 ppm	
	TWA	0.005 ppm	

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

Components	Туре	Value	
METHYLENE BIS(4-CYCLOHEXYLISOC YANATE) (CAS 5124-30-1)	TWA	0.005 ppm	

#### Canada, Ontario OFI s. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	
METHYLENE BIS(4-CYCLOHEXYLISOC YANATE) (CAS 5124-30-1)	Ceiling	0.02 ppm	
	TWA	0.005 ppm	
Canada. Quebec OELs. (Ministry Components	of Labor - Regulation respecti Type	ng occupational health and safety) Value	
METHYLENE BIS(4-CYCLOHEXYLISOC	TWA	0.054 mg/m3	

0.005 ppm

YANATE) (CAS 5124-30-1)

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

15 minute

Components Type Value

**METHYLENE BIS(4-CYCLOHEXYLISOC** YANATE) (CAS 5124-30-1)

8 hour 0.005 ppm

**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. General ventilation normally adequate. Provide eyewash station and safety shower.

0.015 ppm

Individual protection measures, such as personal protective equipment

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

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

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

Respiratory protection Chemical respirator with organic vapour cartridge and full facepiece.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

General hygiene considerations

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.

Liquid. Physical state **Form** Liquid. Clear. Colour Odour Musty.

**Odour threshold** Not available. Not available.

Melting point/freezing point 25 °C (77 °F) estimated

Initial boiling point and boiling

range

Not available.

Flash point 200.0 °C (392.0 °F) estimated

**Evaporation rate** Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Not available. Explosive limit - lower (%)

Explosive limit – upper

Not available.

(%)

0.00002 hPa estimated Vapour pressure

Not available. Vapour density Relative density Not available.

Solubility(ies)

Solubility (water) Not available. **Partition coefficient** Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

**Density** 1.03 g/cm3 estimated

**Explosive properties** Not explosive.

Flammability class Combustible IIIB estimated

Oxidising properties Not oxidising.

Specific gravity 1.03 estimated

## 10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Alcohols. Amines.

Hazardous decomposition

products

No hazardous decomposition products are known.

# 11. Toxicological information

#### Information on likely routes of exposure

Inhalation Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**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

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing. Difficulty in breathing. Skin irritation. May cause

redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

#### Information on toxicological effects

Acute toxicity Fatal if inhaled.

Components Species Test Results

METHYLENE BIS(4-CYCLOHEXYLISOCYANATE) (CAS 5124-30-1)

Acute Dermal

LD50 Rabbit > 10000 mg/kg

Oral

LD50 Rat 1065 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye Causes serious eye irritation.

irritation

Respiratory or skin sensitisation

Canada - British Columbia OELs: Respiratory or skin sensitiser

METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

Capable of causing respiratory, dermal or conjunctival

(CAS 5124-30-1) sensitization.

Canada - Quebec OELs: Sensitizer

METHYLENE BIS(4-CYCLOHEXYLISOCYANATE) Sensitiser.

(CAS 5124-30-1)

Respiratory sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin sensitisation** May cause an allergic skin reaction.

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.

Reproductive toxicity

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

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Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

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

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

**Chronic effects** Prolonged inhalation may be harmful.

## 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)

METHYLENE BIS(4-CYCLOHEXYLISOCYANATE) 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. 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

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

#### **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

Not established.

the IBC Code

# 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.

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## **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 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	No

Substances (EINECS)

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 Yes

(PICCS)

Taiwan Taiwan Chemical Substance Inventory (TCSI) Yes United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

## 16. Other information

Issue date 21-May-2019 **Revision date** 06-May-2020

Version No.

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.

Material name: DEVCON® Flexane 94 Liquid Resin

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<sup>\*</sup>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).

# SAFETY DATA SHEET

1. Identification

Product identifier DEVCON® Flexane® 94 Liquid Curing Agent

Other means of identification

**SKU#** 6921N

**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 personCustomer ServiceTelephone number978-777-1100

Fax E-mail

**Emergency telephone** 

number

800-424-9300

Supplier Not available.

## 2. Hazard identification

Physical hazards Not classified.

Health hazardsAcute toxicity, oralCategory 4

Acute toxicity, dermal Category 4
Serious eye damage/eye irritation Category 2A
Specific target organ toxicity following Category 2

repeated exposure

Environmental hazards Not classified.

Label elements



Signal word Warning

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.

Other hazards None known.

Supplemental information None.

# 3. Composition/information on ingredients

#### **Mixtures**

Ingestion

Chemical name	Common name and synonyms	CAS number	%
Diethyltoluenediamine		68479-98-1	15 - 40
Carbon Black		1333-86-4	0.5 - 1.5
Other components below r	eportable levels		40 - 70

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

## 4. First-aid measures

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

Skin contact 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.

**Eve contact** Immediately flush eves 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.

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. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

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

Suitable extinguishing media

Unsuitable extinguishing

media

**General information** 

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire fighting equipment/instructions

Specific methods

General fire hazards

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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

During fire, gases hazardous to health may be formed.

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

Move containers from fire area if you can do so without risk.

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

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Methods and materials for containment and cleaning up 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.

Small Spills: 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. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions** 

### 7. Handling and storage

## Precautions for safe handling

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.

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

IIS ACGIH Threshold Limit Values				
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Components	Туре	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)ComponentsTypeValueCARBON BLACK (CASTWA3.5 mg/m31333-86-4)

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

ComponentsTypeValueFormCARBON BLACK (CAS<br/>1333-86-4)TWA3 mg/m3Inhalable

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

ComponentsTypeValueFormCARBON BLACK (CAS 1333-86-4)TWA 3 mg/m3Inhalable fraction.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

ComponentsTypeValueFormCARBON BLACK (CAS 1333-86-4)TWA 3 mg/m3Inhalable fraction.

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

ComponentsTypeValueCARBON BLACK (CAS<br/>1333-86-4)TWA3.5 mg/m3

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

 Components
 Type
 Value

 CARBON BLACK (CAS 1333-86-4)
 15 minute 7 mg/m3

 8 hour
 3.5 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

Appearance Liquid.

Physical stateLiquid.FormLiquid.ColourBlack

Odour Ammoniacal.
Odour threshold Not available.
pH Not available.
Melting point/freezing point Not available.
Initial boiling point and boiling Not available.

range

Flash point 156.0 °C (312.8 °F) estimated

Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper Not available.

(%)

Vapour pressure 0.00009 hPa estimated

Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

**Density** 1.03 g/cm3 estimated

**Explosive properties** Not explosive.

Flammability class Combustible IIIB estimated

Oxidising properties Not oxidising.

Specific gravity 1.03 estimated

## 10. Stability and reactivity

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

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**Contact with incompatible materials.

**Incompatible materials** Strong oxidising agents.

Hazardous decomposition No hazardo

products

No hazardous decomposition products are known.

## 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** Knowledge about health hazard is incomplete.

Skin contact Harmful in contact with skin.

Eye contact Causes serious eye irritation.

**Ingestion** Harmful if swallowed.

Material name: DEVCON® Flexane® 94 Liquid Curing Agent

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**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 sensitisation

Respiratory sensitisation

Skin sensitisation

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

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

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.

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

**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.

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

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 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.

No data available

Bioaccumulative potential No data available.

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. 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

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

#### **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

Not established.

Inventory name

the IBC Code

## 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

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
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

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

## 16. Other information

Issue date 22-May-2019

Material name: DEVCON® Flexane® 94 Liquid Curing Agent
6921N Version #: 02 Revision date: 05-May-2020 Issue date: 22-May-2019

On inventory (yes/no)\*

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).

Revision date 05-May-2020

Version No. 02

**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.

Material name: DEVCON® Flexane® 94 Liquid Curing Agent
6921N Version #: 02 Revision date: 05-May-2020 Issue date: 22-May-2019