

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product name: **FUSOR 152, 153 PLASTIC REPAIR ADH PT A**  
Product Use/Class: **Urethane Adhesive, Part 1 of 2**  
UPC Number: 80849810106, 80849810107

**Importer:**

LORD Corporation  
111 LORD Drive  
Cary, NC 27511-7923 USA

Telephone: 814 868-3180  
Non-Transportation Emergency: 814 763-2345  
Chemtrec 24 Hr Transportation Emergency No.  
800 424-9300 (Outside Continental U.S. 703 527-3887)

**Supplier:**

Saint-Gobain Canada, Inc.  
28 Albert Street, W.  
Plattsville, ON N0J 1S0  
www.Nortonabrasives.com  
Tel: 519-684-7441

**EFFECTIVE DATE:** 03/02/2017

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATION:**

Acute toxicity Inhalation - Dust and Mist Category 4 - 19.2% of the mixture consists of ingredient(s) of unknown toxicity.  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Skin sensitization Category 1A  
Respiratory sensitization Category 1  
Specific target organ systemic toxicity (single exposure) Category 3  
Specific target organ systemic toxicity (single exposure) Category 1 Respiratory system  
Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system  
Hazardous to the aquatic environment - acute hazard Category 3  
Hazardous to the aquatic environment - chronic hazard Category 3

**GHS LABEL ELEMENTS:****Symbol(s)****Signal Word**

DANGER

**Hazard Statements**

Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
Causes damage to organs.(Respiratory system)

300001000061

Causes damage to organs through prolonged or repeated exposure.(Respiratory system)

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

#### Precautionary Statements

##### Prevention

Wear protective gloves/eye protection/face protection.

In case of inadequate ventilation wear respiratory protection.

Do not breathe dust/fume/gas/mist/vapors/spray.

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 should not be allowed out of the workplace.

Avoid release to the environment.

##### Response

Call a POISON CENTER or doctor/physician if you feel unwell.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see supplemental first aid instructions on this label).

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash before reuse.

##### Storage

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

Store locked up.

##### Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

##### Other Hazards:

**This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).**

**Acute:** Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause lung damage. May be harmful if swallowed.

Ingestion is not an expected route of entry in industrial or commercial uses.

**Chronic:** May cause long-term lung damage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Range
4,4'-Diphenylmethane diisocyanate	101-68-8	15 - 20 %
Aromatic polyisocyanate	9016-87-9	10 - 15 %
Diphenylmethane diisocyanate	26447-40-5	5 - 10 %

### 4. FIRST AID MEASURES

**FIRST AID - EYE CONTACT:** Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

**FIRST AID - SKIN CONTACT:** Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

**FIRST AID - INHALATION:** Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

**MOST IMPORTANT SYMPTOMS AND HAZARDOUS EFFECTS:** Refer to section 2 of this SDS.

**PROTECTION OF FIRST AID PROVIDER:** Appropriate protective equipment or clothing should be used.

**NOTES TO PHYSICIANS:** Treat per symptoms.

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined for this product.

**SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:** During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

## 7. HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation.

**STORAGE:** Store only in well-ventilated areas. Keep container closed when not in use.

**INCOMPATIBILITY:** Amines, acids, water, hydroxyl, or active hydrogen compounds.; Strong bases and oxidizers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENT EXPOSURE LIMIT

4,4'-Diphenylmethane diisocyanate	101-68-8	ACGIH-TWA: 0.005 ppm
Aromatic polyisocyanate	9016-87-9	Not Established
Diphenylmethane diisocyanate	26447-40-5	Not Established

**ENGINEERING CONTROLS:** Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

#### PERSONAL PROTECTION MEASURES/EQUIPMENT:

**RESPIRATORY PROTECTION:** This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH approved supplied-air respirator is required. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality.

**SKIN PROTECTION:** Use neoprene, nitrile, or rubber gloves to prevent skin contact.

**EYE PROTECTION:** Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

**OTHER PROTECTIVE EQUIPMENT:** Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse. Use long-sleeved shirt to minimize skin exposure.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

<b>PHYSICAL STATE:</b>	Liquid	<b>VAPOR PRESSURE:</b>	N.D.
<b>APPEARANCE:</b>	Brown	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>ODOR:</b>	No	<b>DENSITY:</b>	1.55 g/cm <sup>3</sup>
<b>ODOR THRESHOLD:</b>	N.D.	<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Insoluble
<b>pH:</b>	N.A.	<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.
<b>FREEZE POINT:</b>	N.D.	<b>AUTOIGNITION TEMPERATURE:</b>	N.D.
<b>BOILING RANGE:</b>	N.A.	<b>DECOMPOSITION TEMPERATURE:</b>	N.D.
<b>FLASH POINT:</b>	≥ 201 °F, 93 °C	<b>VISCOSITY, DYNAMIC:</b>	≥25,000 mPa.s @ 25 °C
<b>EVAPORATION RATE:</b>	Setaflash Closed Cup Slower than n-butyl-acetate	<b>VISCOSITY, KINEMATIC:</b>	≥16,129 mm <sup>2</sup> /s @ 25 °C
<b>FLAMMABILITY:</b>	N.D.	<b>VOLATILE BY WEIGHT:</b>	0.50 %
<b>LOWER EXPLOSIVE LIMIT:</b>	Not Applicable	<b>VOLATILE BY VOLUME:</b>	0.89 %
<b>UPPER EXPLOSIVE LIMIT:</b>	Not Applicable	<b>VOC CALCULATED:</b>	0.06 lb/gal, 7 g/l

**LEGEND:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions. Hazardous polymerization will not occur under normal conditions.

**STABILITY:** Product is stable under normal storage conditions.

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY:** Amines, acids, water, hydroxyl, or active hydrogen compounds.; Strong bases and oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide, Carbon monoxide, carbon dioxide

### 11. TOXICOLOGICAL INFORMATION

**EXPOSURE PATH:** Refer to section 2 of this SDS.

**SYMPTOMS:** Refer to section 2 of this SDS.

**CHRONIC EFFECTS:** Refer to section 2 of this SDS.

**TOXICITY MEASURES:****Acute toxicity Inhalation - Dust and Mist:** Category 4 - Harmful if inhaled.

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate. Aromatic polyisocyanate.  
Diphenylmethane diisocyanate.

<b>Chemical Name</b>	<b>LD50/LC50</b>
4,4'-Diphenylmethane diisocyanate	Oral LD50: Rat 31,600 mg/kg Dermal LD50: rabbit > 5,000 mg/kg GHS LC50 (vapour): Acute toxicity point estimate 11 mg/l /4 h GHS LC50 (dust and mist): Acute toxicity point estimate 1.5 mg/l /4 h
Aromatic polyisocyanate	Oral LD50: Rat 49 g/kg Dermal LD50: Rabbit > 9,400 mg/kg Dermal LD50: Rabbit > 9.4 g/kg GHS LC50 (vapour): Acute toxicity point estimate 11 mg/l GHS LC50 (dust and mist): Acute toxicity point estimate 1.5 mg/l
Diphenylmethane diisocyanate	Oral LD50: Rat > 10,000 mg/kg Dermal LD50: Rabbit > 10,000 mg/kg GHS LC50 (vapour): Acute toxicity point estimate 11.0 mg/l GHS LC50 (dust and mist): Acute toxicity point estimate 1.5 mg/l Inhalation LC50: Rat 490 mg/m <sup>3</sup> /4 h

**Skin corrosion/irritation:** Category 2 - Causes skin irritation.

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate. Aromatic polyisocyanate.  
Diphenylmethane diisocyanate.

**Serious eye damage/eye irritation:** Category 2A - Causes serious eye irritation.

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate. Diphenylmethane diisocyanate.

**Skin sensitization:** Category 1A - May cause an allergic skin reaction.

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate. Aromatic polyisocyanate.  
Diphenylmethane diisocyanate.

**Respiratory sensitization:** Category 1 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate. Aromatic polyisocyanate.  
Diphenylmethane diisocyanate.

**Germ cell mutagenicity:** No classification proposed

**Carcinogenicity:** No classification proposed

**Reproductive toxicity:** No classification proposed

**Specific target organ systemic toxicity (single exposure):** Category 3 - May cause respiratory irritation.

Components contributing to classification:

**Specific target organ systemic toxicity (single exposure):** Category 1 - Causes damage to organs.(Respiratory system)

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate.

**Specific target organ systemic toxicity (repeated exposure):** Category 1 - Causes damage to organs through prolonged or repeated exposure.(Respiratory system)

Components contributing to classification: 4,4'-Diphenylmethane diisocyanate. Diphenylmethane diisocyanate.

**Aspiration hazard:** No classification proposed

<b>12. ECOLOGICAL INFORMATION</b>
-----------------------------------

**ECOTOXICITY:**

<b>Chemical Name</b>	<b>Ecotoxicity</b>
4,4'-Diphenylmethane diisocyanate	<u>Fish:</u> Species > 1,000 mg/196 h <u>Invertebrates:</u> Daphnia magna > 1,000 mg/148 h
Aromatic polyisocyanate	N.D.
Diphenylmethane diisocyanate	N.D.

**PERSISTENCE AND DEGRADABILITY:** Not determined for this product.

**BIOACCUMULATIVE:** Not determined for this product.

**MOBILITY IN SOIL:** Not determined for this product.

**OTHER ADVERSE EFFECTS:** Not determined for this product.

<b>13. DISPOSAL CONSIDERATIONS</b>
------------------------------------

**DISPOSAL METHOD:** Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

<b>14. TRANSPORT INFORMATION</b>
----------------------------------

This product is NOT REGULATED for non-bulk shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

<b>15. REGULATORY INFORMATION</b>
-----------------------------------

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

**CEPA STATUS:** All components of this product are on the Canadian DSL list.

<b>16. OTHER INFORMATION</b>
------------------------------

**Revision:** Section 2, Section 12

**Effective Date:** 03/02/2017

<b>DISCLAIMER</b>
-------------------

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product name: **FUSOR 152, 153 PLASTIC REPAIR ADH PT B**  
Product Use/Class: **Urethane Adhesive, Part 2 of 2**  
UPC Number: 80849810106, 80849810107

**Importer:**  
LORD Corporation  
111 LORD Drive  
Cary, NC 27511-7923 USA

Telephone: 814 868-3180  
Non-Transportation Emergency: 814 763-2345  
Chemtrec 24 Hr Transportation Emergency No.  
800 424-9300 (Outside Continental U.S. 703 527-3887)

**Supplier:**  
Saint-Gobain Canada, Inc.  
28 Albert Street, W.  
Plattsville, ON N0J 1S0  
www.Nortonabrasives.com  
Tel: 519-684-7441

**EFFECTIVE DATE:** 02/07/2018

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATION:**

Skin sensitization Category 1  
Reproductive toxicity Category 1B  
Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system  
Hazardous to the aquatic environment - acute hazard Category 2  
Hazardous to the aquatic environment - chronic hazard Category 2

**GHS LABEL ELEMENTS:****Symbol(s)****Signal Word**

DANGER

**Hazard Statements**

May cause an allergic skin reaction.  
May damage fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure.(Respiratory system)  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

**Precautionary Statements****Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves.  
Use personal protective equipment as required.  
Do not breathe dust/fume/gas/mist/vapors/spray.

300001000062

Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment.

**Response**

Get medical advice/attention if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
Collect spillage.

**Storage**

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

**Other Hazards:**

**This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).**

**Acute:** Eye contact may cause slight irritation. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

**Chronic:** IARC has designated carbon black as Group 2B - inadequate evidence for carcinogenicity in humans, but sufficient evidence in experimental animals. In 2006 IARC reaffirmed its 1995 finding that there is "inadequate evidence" from human health studies to assess whether carbon black causes cancer in humans. Further, epidemiological evidence from well-conducted investigations has shown no causative link between carbon black exposure and the risk of malignant or non-malignant respiratory disease in humans.

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
--

Chemical Name	CAS Number	Range
Amide	PROPRIETARY	1 - 5 %
8-hydroxy quinoline	148-24-3	0.1 - 0.9 %
Carbon black	1333-86-4	0.1 - 0.9 %

<b>4. FIRST AID MEASURES</b>
------------------------------

**FIRST AID - EYE CONTACT:** Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

**FIRST AID - SKIN CONTACT:** Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

**FIRST AID - INHALATION:** This material is not likely to be hazardous by inhalation. However, if exposed to excessive levels of vapor or mist, remove to fresh air, give oxygen if breathing is difficult, and get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

**MOST IMPORTANT SYMPTOMS AND HAZARDOUS EFFECTS:** Refer to section 2 of this SDS.

**PROTECTION OF FIRST AID PROVIDER:** Appropriate protective equipment or clothing should be used.

**NOTES TO PHYSICIANS:** Treat per symptoms.



## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined for this product.

**SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:** Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Avoid contact. Avoid breathing vapors.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Contain and remove with inert absorbent material.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation.

**STORAGE:** Store only in well-ventilated areas. Keep container closed when not in use.

**INCOMPATIBILITY:** Acids, caustics, amines, ammonia, halogens, and isocyanates.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENT EXPOSURE LIMIT

Amide	PROPRIETARY	Not Established
8-hydroxy quinoline	148-24-3	Not Established
Carbon black	1333-86-4	Not Established

**ENGINEERING CONTROLS:** Provide adequate general ventilation where this product is used.

### PERSONAL PROTECTION MEASURES/EQUIPMENT:

**RESPIRATORY PROTECTION:** Respiratory protection is not required under normal working conditions where adequate ventilation is present.

**SKIN PROTECTION:** Use neoprene, nitrile, or rubber gloves to prevent skin contact.

**EYE PROTECTION:** Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

**OTHER PROTECTIVE EQUIPMENT:** Remove and wash contaminated clothing before reuse.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

<b>PHYSICAL STATE:</b>	Paste	<b>VAPOR PRESSURE:</b>	N.D.
<b>APPEARANCE:</b>	Black	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>ODOR:</b>	No	<b>DENSITY:</b>	1.31 g/cm <sup>3</sup>
<b>ODOR THRESHOLD:</b>	N.D.	<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Insoluble
<b>pH:</b>	N.A.	<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.
<b>FREEZE POINT:</b>	N.D.	<b>AUTOIGNITION TEMPERATURE:</b>	N.D.
<b>BOILING RANGE:</b>	N.A.	<b>DECOMPOSITION TEMPERATURE:</b>	N.D.
<b>FLASH POINT:</b>	≥ 201 °F, 93 °C	<b>VISCOSITY, DYNAMIC:</b>	≥ 225,000 mPa.s @ 25 °C
	Setaflash Closed Cup		
<b>EVAPORATION RATE:</b>	Not Applicable	<b>VISCOSITY, KINEMATIC:</b>	≥ 171,756 mm <sup>2</sup> /s @ 25 °C
<b>FLAMMABILITY:</b>	N.D.	<b>VOLATILE BY WEIGHT:</b>	0.00 %
<b>LOWER EXPLOSIVE LIMIT:</b>	Not Applicable	<b>VOLATILE BY VOLUME:</b>	0.00 %
<b>UPPER EXPLOSIVE LIMIT:</b>	Not Applicable	<b>VOC CALCULATED:</b>	0 lb/gal, 0 g/l

**LEGEND:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions.

**STABILITY:** Product is stable under normal storage conditions.

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY:** Acids, caustics, amines, ammonia, halogens, and isocyanates.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

**EXPOSURE PATH:** Refer to section 2 of this SDS.

**SYMPTOMS:** Refer to section 2 of this SDS.

**CHRONIC EFFECTS:** Refer to section 2 of this SDS.

### TOXICITY MEASURES:

**Acute toxicity :** No classification proposed

<b>Chemical Name</b>	<b>LD50/LC50</b>
Amide	Oral LD50: rat > 2,000 mg/kg
8-hydroxy quinoline	Oral LD50: Rat 1,200 mg/kg Inhalation LC50: Rat > 1,210 mg/m <sup>3</sup> /6 h
Carbon black	Oral LD50: Rat > 15,400 mg/kg Dermal LD50: Rabbit > 3 g/kg GHS LC50 (vapour): Acute toxicity point estimate 55 mg/l

**Skin corrosion/irritation:** No classification proposed

**Serious eye damage/eye irritation:** No classification proposed

**Skin sensitization:** Category 1 - May cause an allergic skin reaction.

Components contributing to classification: 8-hydroxy quinoline.

**Respiratory sensitization:** No classification proposed

**Germ cell mutagenicity:** No classification proposed

**Carcinogenicity:** No classification proposed

**Reproductive toxicity:** Category 1B - May damage fertility or the unborn child.

Components contributing to classification: 8-hydroxy quinoline.

**Specific target organ systemic toxicity (single exposure):** No classification proposed

**Specific target organ systemic toxicity (repeated exposure):** Category 1 - Causes damage to organs through prolonged or repeated exposure.(Respiratory system)

Components contributing to classification: Zeolite.

**Aspiration hazard:** No classification proposed

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY:

Chemical Name	Ecotoxicity
Amide	<u>Fish:</u> Cyprinus carpio (Carp) > 0.2 mg/196 h <u>Invertebrates:</u> Daphnia magna (Water flea) > 0.2 mg/148 h <u>Plants:</u> freshwater algae 0.025 mg/l
8-hydroxy quinoline	N.D.
Carbon black	N.D.

**PERSISTENCE AND DEGRADABILITY:** Not determined for this product.

**BIOACCUMULATIVE:** Not determined for this product.

**MOBILITY IN SOIL:** Not determined for this product.

**OTHER ADVERSE EFFECTS:** Not determined for this product.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

## 14. TRANSPORT INFORMATION

### US DOT Road

**DOT Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s.  
**DOT Hazard Class:** 9  
**SECONDARY HAZARD:** None  
**DOT UN/NA Number:** 3082  
**Packing Group:** III  
**Emergency Response Guide Number:** 171

For US DOT non-bulk road shipments this material may be classified as NOT REGULATED. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

### IATA Cargo

**PROPER SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s.  
**DOT Hazard Class:** 9  
**HAZARD CLASS:** None  
**UN-NUMBER:** 3082  
**PACKING GROUP:** III  
**EMS:** 9L

### IMDG

<b>PROPER SHIPPING NAME:</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>DOT Hazard Class:</b>	9
<b>HAZARD CLASS:</b>	None
<b>UN-NUMBER:</b>	3082
<b>PACKING GROUP:</b>	III
<b>EMS:</b>	F-A

The listed transportation classification applies to non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

<b>15. REGULATORY INFORMATION</b>
-----------------------------------

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

**CEPA STATUS:** All components of this product are on the Canadian DSL list.

<b>16. OTHER INFORMATION</b>
------------------------------

**Revision:** Section 2, Section 3, Section 8, Section 11, Section 12

**Effective Date:** 02/07/2018

<b>DISCLAIMER</b>
-------------------

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.