

**Section 1: Identification**
**Product Identifiers**

Product name **Krazy Fix Fast (Polyurethane)**  
 Product number **KF103**

**Recommended use of & restrictions on use**  
 Adhesive

**Emergency telephone number**

**CHEMTREC (800) 424-9300**

**Manufacturer's Information**

Manufacturer's Name

Toagosei America Inc.  
 1450 West Main Street  
 West Jefferson, OH 43162

Telephone: (614) 879-9411

**Section 2 – Hazard Identification**

Classification of the substance or mixture

Classification according to 1910.1200:

<b>Acute toxicity (Inhalation)</b>	<b>Category 4</b>
<b>Skin irritation</b>	<b>Category 2</b>
<b>Eye irritation</b>	<b>Category 2A</b>
<b>Respiratory sensitization</b>	<b>Category 1</b>
<b>Skin sensitization</b>	<b>Category 1</b>
<b>Reproductive toxicity</b>	<b>Category 1B</b>
<b>Specific target organ systemic toxicity - single exposure</b>	<b>Category 3 (Respiratory system)</b>
<b>Specific target organ systemic toxicity - repeated exposure (Inhalation)</b>	<b>Category 2 (Respiratory system, Respiratory Tract)</b>

Label Elements



**Pictograms**

**Signal word**            Danger

### **Hazard statements**

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

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

May cause respiratory irritation.

May damage fertility. May damage the unborn child.

May cause damage to organs (Respiratory system, Respiratory Tract) through prolonged or repeated exposure if inhaled.

### **Precautionary statements**

#### *Prevention*

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Wash skin thoroughly after handling.

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: Wash with plenty of soap and water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

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.

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 to an approved waste disposal plant.

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**Section 3 – Composition/Information on Ingredients**


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Chemical Name	CAS Number	Classification	Concentration %
Polymethylene polyphenyl isocyanate	9016-87-9	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335 STOT RE 2; H373	20-30
4, 4- Diphenylmethane diisocyanate	101-68-8	Comb Dust Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335 STOT RE 2; H373	10-20
Methylene diphenylisocyanate	26447-40-5	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Resp. Sens. 1A; H334 Skin Sens. 1A; H317 STOT SE 3; H335 STOT RE 2; H373	10-20
Additives	Trade Secret		<5

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**Section 4 – First-Aid Measures**


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**General advice**

Move out of dangerous area.

Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

**If inhaled**

Move to fresh air.

Call a physician or poison control centre immediately. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice.

**In case of skin contact**

Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use.

**In case of eye contact**

Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.

**If swallowed**

Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms and effects, both acute and delayed**

Pulmonary edema may be delayed. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Cough Headache chest pain lung edema (fluid buildup in the lung tissue) Difficulty in breathing, Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May damage fertility. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure if inhaled.

**Notes to physician**

No hazards which require special first aid measures.

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**Section 5 – Fire-Fighting Measures**

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**Extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water spray

Foam

Carbon dioxide (CO<sub>2</sub>)

Dry chemical

**Unsuitable extinguishing media**

High volume water jet

**Specific hazards during firefighting**

Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide

Hydrocarbons

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen cyanide (hydrocyanic acid)

Isocyanates

**Specific extinguishing methods**

Product is compatible with standard fire-fighting agents.

**Further information**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special hazards arising from the chemical**

In the event of fire, wear self-contained breathing apparatus.

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**Section 6 - Accidental Release Measures**

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**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Ensure adequate ventilation. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

**Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**Other information**

Comply with all applicable federal, state, and local regulations.

## Section 7 – Handling and Storage

### Advice on safe handling

Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapors/dust. Do not smoke. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Observe label precautions.

## Section 8 – Exposure Controls/Personal Protection

### Exposure guidelines

Component	CAS Number	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
4, 4-Diphenylmethane diisocyanate	101-68-8	TWA	0.005 ppm	ACGIH

### Hazardous components without workplace control parameters

Component	CAS Number
Polymethylene polyphenyl isocyanate	9016-87-9
Methylene diphenylisocyanate	26447-40-5

### Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

Respiratory protection : Wear a positive-pressure supplied-air respirator with full facepiece.

Hand protection

Material : butyl-rubber

Break through time : 480 min

Glove thickness : > 0.5 mm

Remarks : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Wear as appropriate:  
Impervious clothing  
Safety shoes  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Discard gloves that show tears, pinholes, or signs of wear.  
Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Wash hands before breaks and at the end of workday.  
When using do not eat or drink.  
When using do not smoke.

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### **Section 9 – Physical and Chemical Properties**

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- a) Physical state : liquid**
- b) Color : brown**
- c) Odor : No data available**
- d) Odour Threshold : No data available**
- e) pH : No data available**
- f) Melting point/freezing point : No data available**
- g) Boiling point/boiling range : No data available**
- h) Flash point : > 93.4 °C**
- g) Evaporation rate : No data available**
- h) Flammability (solid, gas) : No data available**
- i) Upper explosion limit : No data available**
- j) Lower explosion limit : No data available**

- k) Vapour pressure : No data available
- l) Relative vapour density : No data available
- m) Relative density : No data available
- n) Density : 1.1 g/cm<sup>3</sup> (25 °C)
- o) Solubility(ies)
- p) Water solubility : No data available
- q) Solubility in other solvents : No data available
- r) Partition coefficient (noctanol/water) : No data available
- s) Thermal decomposition : No data available
- t) Viscosity, dynamic : No data available
- u) Viscosity, kinematic : No data available
- v) Oxidizing properties : No data available

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## Section 10 – Stability and Reactivity

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### Reactivity

No decomposition if stored and applied as directed.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

Product will not undergo hazardous polymerization.

### Conditions to avoid

- Excessive heat : temperatures above 350 degrees F (177 degrees C)
- Freezing temperatures.
- Exposure to moisture

### Incompatible materials

Acids  
Alcohols  
alkenes  
aluminum  
Amines  
Ammonia  
Bases  
Copper alloys  
Iron  
peroxides  
strong alkalis



Strong oxidizing agents  
water  
Zinc

**Hazardous decomposition products**

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrocarbons  
Acetone

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**Section 11 – Toxicological Information**

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**Information on likely routes of exposure**

Inhalation, Skin contact, Eye Contact, Ingestion

**Acute toxicity**

Harmful if inhaled.

**Components:** POLYMETHYLENE POLYPHENYL ISOCYANATE:

Acute oral toxicity : LD<sub>50</sub> (Rat): > 10,000 mg/kg

Acute inhalation toxicity : LC<sub>50</sub> (Rat): > 2.24 mg/l

Exposure time: 1 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.

Acute dermal toxicity : LD<sub>50</sub> (Rabbit): > 10,000 mg/kg

**Components:** 4,4'-DIPHENYLMETHANE DIISOCYANATE:

Acute oral toxicity : LD<sub>50</sub> (Rat): 9,200 mg/kg

Acute inhalation toxicity : LC<sub>50</sub> (Rat): 0.369 mg/l

Exposure time: 4 h

LC<sub>50</sub> (Rat): > 2.24 mg/l

Exposure time: 1 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.

Acute dermal toxicity : LD<sub>50</sub> (Rabbit): > 7,900 mg/kg

**METHYLENE DIPHENYLISOCYANATE:**

Acute oral toxicity : LD<sub>50</sub> (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 425

GLP: yes

Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.

Acute dermal toxicity : LD50 (Rabbit): > 9,400 mg/kg

Remarks: Information given is based on data obtained from similar substances.

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:**

POLYMETHYLENE POLYPHENYL ISOCYANATE:

Result: Irritating to skin.

4,4'-DIPHENYLMETHANE DIISOCYANATE:

Result: Irritating to skin.

METHYLENE DIPHENYLISOCYANATE:

Result: Irritating to skin.

Remarks: Information given is based on data obtained from similar substances.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

**Components:**

POLYMETHYLENE POLYPHENYL ISOCYANATE:

Result: Irritating to eyes.

4,4'-DIPHENYLMETHANE DIISOCYANATE:

Result: Irritating to eyes.

METHYLENE DIPHENYLISOCYANATE:

Result: No eye irritation

Remarks: Information given is based on data obtained from similar substances.

**Respiratory or skin sensitization**

Skin sensitization: May cause an allergic skin reaction.

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

**Components:**

POLYMETHYLENE POLYPHENYL ISOCYANATE:

Assessment: May cause sensitization by skin contact.

Assessment: May cause sensitization by inhalation.

4,4'-DIPHENYLMETHANE DIISOCYANATE:

Assessment: May cause sensitization by inhalation.

Assessment: May cause sensitization by skin contact.

**METHYLENE DIPHENYLISOCYANATE:**

Test Type: Maximization Test

Species: Guinea pig

Assessment: May cause sensitization by skin contact.

Result: The product is a skin sensitizer, sub-category 1A.

Assessment: May cause sensitization by inhalation.

Result: The product is a respiratory sensitizer, sub-category 1A.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**METHYLENE DIPHENYLISOCYANATE:**

Genotoxicity in vitro : Test Type: Ames test

Result: negative

Remarks: Information given is based on data obtained from similar substances.

Genotoxicity in vivo : Test Type: In vivo micronucleus test

Test species: Rat

Method: OECD Test Guideline 474

Remarks: Information given is based on data obtained from similar substances.

**Carcinogenicity**

Not classified based on available information.

Carcinogenicity – Assessment : Methylene bisphenylisocyanate (MDI) aerosol has been reported to be irritating to lungs at a concentration of 1 mg/m<sup>3</sup> with no effect observed at 0.2 mg/m<sup>3</sup>. Although MDI has been reported to cause an increase in non-carcinogenic lung tumors and a single carcinogenic lung tumor at very high concentrations (6 mg/m<sup>3</sup>), it is not classified as a carcinogen by IARC, NTP or OSHA.

**STOT - single exposure**

May cause respiratory irritation.

**Components:**

**POLYMETHYLENE POLYPHENYL ISOCYANATE:**

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause respiratory irritation.

**4,4'-DIPHENYLMETHANE DIISOCYANATE:**

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause respiratory irritation.

**METHYLENE DIPHENYLISOCYANATE:**

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: May cause respiratory irritation.

**STOT - repeated exposure**

May cause damage to organs (Respiratory system, Respiratory Tract) through prolonged or repeated exposure if inhaled.

**Components:**

POLYMETHYLENE POLYPHENYL ISOCYANATE:

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause damage to organs through prolonged or repeated exposure.

4,4'-DIPHENYLMETHANE DIISOCYANATE:

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause damage to organs through prolonged or repeated exposure.

METHYLENE DIPHENYLISOCYANATE:

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: May cause damage to organs through prolonged or repeated exposure.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

Remarks: No data available

**Carcinogenicity:**

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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**Section 12 – Ecological Information**

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**Ecotoxicity**

**Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

**Components:**

**POLYMETHYLENE POLYPHENYL ISOCYANATE:**

Toxicity to fish : LC50 (*Oryzias latipes* (Orange-red killifish)): > 3,000 mg/l

Exposure time: 96 h

Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l

Exposure time: 24 h

Test Type: static test

Method: OECD Test Guideline 202

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): > 10 mg/l

Exposure time: 21 d

End point: Reproduction Test

Test Type: semi-static test

Method: OECD Test Guideline 211

**4,4'-DIPHENYLMETHANE DIISOCYANATE:**

Toxicity to fish : LC50 (*Oryzias latipes* (Orange-red killifish)): > 3,000 mg/l

Exposure time: 96 h

Test Type: semi-static test

Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l

Exposure time: 24 h

Test Type: static test

Method: OECD Test Guideline 202

Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): > 10 mg/l

Exposure time: 21 d

End point: Reproduction Test

Test Type: semi-static test

Method: OECD Test Guideline 211

Remarks: Information given is based on data obtained from similar substances.

**METHYLENE DIPHENYLISOCYANATE:**

Toxicity to fish : LC50 (*Oryzias latipes* (Japanese medaka)): > 3,000 mg/l

Exposure time: 96 h

Test Type: semi-static test

Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates :  
(*Daphnia magna* (Water flea)): > 1,000 mg/l

Exposure time: 24 h

Test Type: static test

Method: OECD Test Guideline 202

Remarks: Information given is based on data obtained from similar substances.

Toxicity to algae : NOEC (*Desmodesmus subspicatus* (green algae)): 1,640 mg/l

End point: Growth inhibition

Exposure time: 72 h

Test Type: static test

Method: OECD Test Guideline 201

Remarks: Information given is based on data obtained from similar substances.

### **Persistence and degradability**

#### **Components:**

##### **POLYMETHYLENE POLYPHENYL ISOCYANATE:**

Biodegradability : Result: Not biodegradable

Biodegradation: 0 %

Exposure time: 28 d

Method: OECD Test Guideline 302C

Remarks: Information given is based on data obtained from similar substances.

##### **4,4'-DIPHENYLMETHANE DIISOCYANATE:**

Biodegradability : Result: Not biodegradable

Biodegradation: 0 %

Exposure time: 28 d

Method: OECD Test Guideline 302C

Remarks: Information given is based on data obtained from similar substances.

##### **METHYLENE DIPHENYLISOCYANATE:**

Biodegradability : Result: Not readily biodegradable.

Remarks: Information given is based on data obtained from similar substances.

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## **Section 13 – Disposal Considerations**

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### **Disposal methods**

#### **General advice**

Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations.

### **Contaminated packaging**

Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

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## **Section 14 – Transport Information**

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### **International transport regulations**

**U.S. DOT – ROAD** : Not dangerous goods

**CFR\_RAIL\_C** : Not dangerous goods

**U.S. DOT - INLAND WATERWAYS** : Not dangerous goods

**TDG\_ROAD\_C** : Not dangerous goods

**TDG\_RAIL\_C** : Not dangerous goods

**TDG\_INWT\_C** : Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS** : Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION -CARGO** : Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION -PASSENGER:** Not dangerous goods

**MX\_DG :** Not dangerous goods  
**Marine pollutant :** No

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

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### Section 15 – Regulatory Information

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EPCRA - Emergency Planning and Community Right-to-Know Act  
 CERCLA Reportable Quantity

Components	CAS-Number	Component RQ (lbs)	Calculated product RQ (lbs)
4,4'-DIPHENYLMETHANE DIISOCYANATE	101-68-8	5000	27376

SARA 304 Extremely Hazardous Substances Reportable Quantity  
 This material does not contain any components with a section 304 EHS RQ.

#### SARA 311/312 Hazards

Acute toxicity (any route of exposure)  
 Skin corrosion or irritation  
 Serious eye damage or eye irritation  
 Respiratory or skin sensitisation  
 Reproductive toxicity  
 Specific target organ toxicity (single or repeated exposure)

#### SARA 302

This material does not contain any components with a section 302 EHS TPQ.

#### SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

POLYMETHYLENE POLYPHENYL ISOCYANATE	9016-87-9	20-30%
4,4'-DIPHENYLMETHANE DIISOCYANATE	101-68-8	10-20%

#### California Prop. 65

WARNING: This product can expose you to chemicals including dimethylcarbamoyl chloride, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

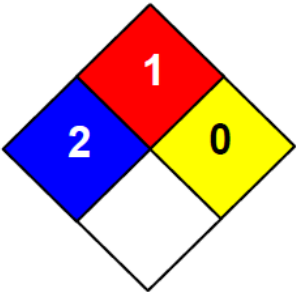
TSCA : On TSCA Inventory

### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## Section 16 – Other Information

### Further information

NFPA	HMIS III						
Flammability  Health Instability Special hazard.	<table border="1"> <tr> <td style="background-color: blue; color: white; text-align: center;"><b>HEALTH</b></td> <td></td> </tr> <tr> <td style="background-color: red; color: white; text-align: center;"><b>FLAMMABILITY</b></td> <td></td> </tr> <tr> <td style="background-color: yellow; text-align: center;"><b>PHYSICAL HAZARD</b></td> <td></td> </tr> </table> <p>0 = not significant, 1 =Slight,                      2 = Moderate, 3 = High                      4 = Extreme, * = Chronic</p>	<b>HEALTH</b>		<b>FLAMMABILITY</b>		<b>PHYSICAL HAZARD</b>	
<b>HEALTH</b>							
<b>FLAMMABILITY</b>							
<b>PHYSICAL HAZARD</b>							

### NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

### Full text of H-Statements

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H360FD	May damage fertility. May damage the unborn child.
H370	Causes damage to organs if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.



Sources of key data used to compile the Safety Data Sheet  
Ashland internal data including own and sponsored test reports  
The UNECE administers regional agreements implementing harmonized classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

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