

# Safety Data Sheet: MEGA-CRETE FAST CURE BASE

Supersedes Date 08/01/2011

Issuing Date 07/29/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** MEGA-CRETE FAST CURE BASE

**Recommended use** Patching compound

**Information on Manufacturer**

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

**Product Code** 57562901

**Chemical nature** Organic solvent

**Emergency Telephone Number**

CHEMTREC® 800-424-9300

**Telephone inquiry**

800-336-0450

## 2. HAZARD IDENTIFICATION

**Color** dark brown

**Physical State** Liquid

**Odor** Sweet

**GHS**

**Classification**

Physical Hazards

Flammable liquids

Category 3

Health Hazard

Aspiration Toxicity

Category 1

Skin Corrosion/Irritation

Category 3

Specific target organ systemic toxicity (repeated exposure)

Category 1

Other hazards

None

**Labeling**

Signal Word

**DANGER**



Hazard Statements

H226 - Flammable liquid and vapor

H316 - Causes mild skin irritation

H372 - Causes damage to organs through prolonged or repeated exposure

H304 - May be fatal if swallowed and enters airways

Precautionary Statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from heat, sparks, open flames or hot surfaces.

P233 - Keep container tightly closed

P243 - Take precautionary measures against static discharge

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, ventilating and lighting equipment

P242 - Use only non-sparking tools

P260 - Do not breathe mist or dust.

P270 - Do not eat, drink or smoke when using this product

P281 - Use personal protective equipment as required

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P308 + P313 - IF exposed or concerned, get medical attention

P301 + P310 - IF SWALLOWED: Immediately call a physician

P331 - DO NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower

P332 + P313 - If skin irritation occurs, get medical attention.

P370+P378 In case of fire, use dry chemical extinguisher or flush with large amounts of water for extinction.

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents and container to an approved waste disposal plant.

85 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Polyether polyol blend	-----	60-100
Stoddard solvent	8052-41-3	10-30

## 4. FIRST AID MEASURES

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur. Call a physician or poison control center immediately.
<b>Ingestion</b>	If swallowed. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Consult a physician. Do NOT induce vomiting. Get medical attention immediately.
<b>Notes to physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	141 °F / 61 °C	<b>Method</b>	Tag closed cup
<b>Upper 5.</b>			<b>Lower .7</b>
<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray.		
<b>Unsuitable Extinguishing Media</b>	Do NOT use water jet.		
<b>Specific hazards arising from the chemical</b>	Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
<b>NFPA</b>	<b>Health 1</b>	<b>Flammability 2</b>	<b>Instability 0</b>
<b>HMIS</b>	<b>Health 1</b>	<b>Flammability 2</b>	<b>Instability 0</b>

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Not applicable.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.			
<b>Storage</b>	Keep away from open flames, hot surfaces and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	77 °F / 25 °C	<b>Maximum</b>	86 °F / 30 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> TWA: 350 mg/m <sup>3</sup>

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas
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**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Skin Protection**

Wear suitable protective clothing, Impervious gloves.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Avoid contact with skin and clothing. Wash hands and face before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid	<b>Viscosity</b>	250 cps
<b>Color</b>	dark brown	<b>Odor</b>	Sweet
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Translucent
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	.995
<b>Evaporation Rate</b>	<1 (ether = 1)	<b>Percent Volatile (Volume)</b>	No information available
<b>VOC Content (%)</b>	No information available	<b>VOC Content (g/L)</b>	109.0
<b>Vapor Pressure</b>	No information available	<b>Vapor Density</b>	(Air = 1.0)
<b>Solubility</b>	Insoluble	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	400 °F / 204 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	141 °F / 61 °C	<b>Method</b>	Tag closed cup
<b>Autoignition Temperature</b>	No information available.		
<b>Upper 5. Lower .7</b>			

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition
<b>Incompatible Products</b>	Strong acids, Strong bases, Isocyanates, Oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Nitrogen oxides (NOx), Fumes.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION****Product Information**

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.**Primary Routes of Entry** Inhalation, Ingestion, Skin Absorption.**Acute Effects****Eyes** Contact with eyes may cause irritation.**Skin** May cause irritation seen as itching and redness . Repeated exposure may cause skin dryness or cracking.**Inhalation** Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause central nervous system depression.**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.**Chronic Toxicity****Target Organ Effects** Prolonged skin contact may cause skin irritation and/or dermatitis.**Aggravated Medical Conditions**

Central nervous system, Kidney, Respiratory system. Neurological disorders, Central nervous system, Kidney disorders.

**Component Information****Acute Toxicity**

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Stoddard solvent	no data available	no data available	no data available	no data available	eyes,CNS,respiratory system,skin,kidneys

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

## 12. ECOLOGICAL INFORMATION

Product Information No information available.  
 Component Information

**Persistence and Degradability** No information available.  
**Bioaccumulation** No information available.  
**Mobility** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.  
**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT**

**Proper Shipping Name** <119 gallons - not regulated; >119 gallons: Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**UN-No** UN1268  
**Packing Group** III  
**Description** UN1268, Petroleum distillates, n.o.s., 3, PG III

**TDG**

**Hazard Class** 3  
**UN-No** UN1268  
**Packing Group** III

**ICAO**

**UN-No** UN1268  
**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Shipping Description** UN1268, Petroleum distillates, n.o.s.,(Stoddard Solvent), 3,PG III

**IATA**

**UN-No** UN1268  
**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**ERG Code** 3L  
**Shipping Description** UN1268,Petroleum distillates, n.o.s.,(Stoddard Solvent), 3,PG III

**IMDG/IMO**

**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**UN-No** UN1268  
**Packing Group** III  
**EmS No.** F-E, S-E  
**Shipping Description** UN1268, Petroleum distillates, n.o.s.,(Stoddard Solvent), 3,PG III

## 15. REGULATORY INFORMATION

**Inventories**

**TSCA** Complies  
**DSL** Complies  
**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

CERCLA

**U.S. State Regulations  
California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**16. OTHER INFORMATION**

<b>Prepared By</b>	Christopher Drogin
<b>Supersedes Date</b>	08/01/2011
<b>Issuing Date</b>	07/29/2014
<b>Reason for Revision</b>	No information available.
<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

**Mega Metals,Partsmaster,Div of NCH Corp.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

# Safety Data Sheet: MEGA-CRETE FAST CURE ACTIVATOR

Supersedes Date 08/01/2011

Issuing Date 07/29/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** MEGA-CRETE FAST CURE ACTIVATOR

**Recommended use** Patching compound

**Information on Manufacturer**

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

**Product Code** 57562902

**Chemical nature** Plasticizers - Isocyanates

**Emergency Telephone Number**

CHEMTREC® 800-424-9300

**Telephone inquiry**

800-336-0450

## 2. HAZARD IDENTIFICATION

**Color** dark brown

**Physical State** Liquid

**Odor** Hydrocarbon

### GHS

#### Classification

Physical Hazards

None

Health Hazard

Acute Inhalation Toxicity - Gas

Acute Inhalation Toxicity - Vapors

Acute Inhalation Toxicity - Dusts and Mists

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Respiratory Sensitization

Skin Sensitization

Reproductive Toxicity

Specific target organ systemic toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

Other hazards

None

Category 1

Category 2

Category 3

Category 2

Category 2

Category 1

Category 1

Category 1B

Category 3

Category 2

### Labeling

Signal Word

**DANGER**



Hazard Statements

H330 - Fatal if inhaled

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H360 - May damage fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe vapor, mist or gas.

P271 - Use in a well-ventilated area.

P281 - Use personal protective equipment as required

P280 - Wear protective gloves, protective clothing and eye protection.

P284 - Wear respiratory protection

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace

P310 - Immediately call a physician

P320 - Specific treatment is urgent (see supplemental first aid instructions on this label)

P363 - Wash contaminated clothing before reuse

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs, get medical attention

P362 - Take off contaminated clothing and wash before reuse

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P311 - Call a POISON CENTER or doctor/physician.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents and container to an approved waste disposal plant.

0 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Polymeric diphenylmethane diisocyanate	9016-87-9	30-60
Methylenediphenyl diisocyanate	101-68-8	10-30
Di-propylheptyl phthalate	53306-54-0	10-30
Methylenediphenyl diisocyanate	26447-40-5	5-10

### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
<b>Eye Contact</b>	Wash off with warm water. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.
<b>Skin Contact</b>	Wipe up with absorbent material (e.g. cloth, fleece). Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use. Wash off with soap and plenty of water.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention immediately. If breathing has stopped, apply artificial respiration. The substance has delayed effects.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Consult a physician.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	390 °F / 199 °C	<b>Method</b>	Pensky Marten Closed Tester
<b>Upper 0</b>		<b>Lower</b>	.30

#### Suitable Extinguishing Media

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### Unsuitable Extinguishing Media

Do NOT use water jet. The reaction between water and large amounts of hot isocyanate may be vigorous

#### Specific hazards arising from the chemical

Material can create slippery conditions. Keep product and empty container away from heat and sources of ignition.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<b>NFPA</b>	<b>Health 2</b>	<b>Flammability 1</b>	<b>Instability 1</b>
<b>HMIS</b>	<b>Health 2</b>	<b>Flammability 1</b>	<b>Instability 1</b>

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Evacuate personnel to safe areas. Remove all sources of ignition. Ventilate the area. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Remove all sources of ignition. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Neutralise with or decontaminate with a mixture of 90% water, 3-8 % ammonium hydroxide or concentrated ammonia, and 2% liquid detergent. Cover spill area with absorbent material. Saturate absorbent material with neutralization solution and mix. Wait 15 minutes. Collect material in a open-head metal container. Repeat application as needed. Apply lid loosely and allow containers to vent for 72 hours.
<b>Neutralizing Agent</b>	Not applicable.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.			
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.			
<b>Storage Temperature</b>	<b>Minimum</b>	77 °F / 25 °C	<b>Maximum</b>	86 °F / 30 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Methylenediphenyl diisocyanate	TWA: 0.005 ppm	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m <sup>3</sup>	75 mg/m <sup>3</sup> Ceiling: 0.020 ppm Ceiling: 0.2 mg/m <sup>3</sup> TWA: 0.005 ppm TWA: 0.05 mg/m <sup>3</sup>
Methylenediphenyl diisocyanate	No data available	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m <sup>3</sup>	No data available

## Engineering Measures

Ensure adequate ventilation, especially in confined areas.

## Personal Protective Equipment

## Eye/Face Protection

Safety glasses with side-shields.

## Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

## Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

## General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Viscosity</b>	250 cps
<b>Color</b>	dark brown	<b>Odor</b>	Hydrocarbon
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Textured black paste
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	1.142
<b>Evaporation Rate</b>	<1 (ether = 1)	<b>Percent Volatile (Volume)</b>	No information available
<b>VOC Content (%)</b>	0	<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	Heavier than air	<b>Solubility</b>	Insoluble
<b>n-Octanol/Water Partition</b>	No data available	<b>Melting Point/Range</b>	No data available
<b>Decomposition Temperature</b>	No data available	<b>Boiling Point/Range</b>	406 °F / 208 °C
<b>Flammability (solid, gas)</b>	No data available	<b>Method</b>	Pensky Marten Closed Tester
<b>Flash Point</b>	390 °F / 199 °C		
<b>Autoignition Temperature</b>	No information available.		
<b>Upper 0 Lower .30</b>			

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Polymerization can occur. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Do not freeze, Protect from moisture, At high temperatures.
<b>Incompatible Products</b>	Acids, Bases, Alcohols, Amines, Copper alloys, Water, The reaction with water is slow at 122°F (50°C) .
<b>Hazardous Decomposition Products</b>	Carbon oxides, Nitrogen oxides (NOx), Hydrogen cyanide, Isocyanides, Smoke.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

## Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

**Principle Route of Exposure** Eye contact, Skin contact, Inhalation.

**Primary Routes of Entry** Inhalation, Skin Absorption.

## Acute Effects

**Eyes** Causes eye irritation.

**Skin** Causes skin irritation. May cause sensitization by skin contact.

**Inhalation** May cause irritation of respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitization by inhalation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Toxicity** Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated inhalation may cause damage to the lungs. May cause respiratory sensitization in some individuals . May cause sensitization by skin contact.



**Target Organ Effects** Respiratory system, Skin.  
**Aggravated Medical Conditions** Skin disorders, Respiratory disorders.

Component Information

**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Polymeric diphenylmethane diisocyanate	no data available	no data available	= 490 mg/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Methylenediphenyl diisocyanate	> 7400 mg/kg ( Rat )	> 6200 mg/kg ( Rabbit )	= 0.369 mg/L ( Rat ) 4 h = 369 mg/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Di-propylheptyl phthalate	> 2000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Methylenediphenyl diisocyanate	> 7400 mg/kg ( Rat )	> 6200 mg/kg ( Rabbit )	= 0.369 mg/L ( Rat ) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Polymeric diphenylmethane diisocyanate	no data available	Skin sensitizer and respiratory sensitizer	no data available	no data available	immune system
Methylenediphenyl diisocyanate	no data available	Skin sensitizer and respiratory sensitizer	no data available	no data available	eyes, respiratory system, immune system

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Polymeric diphenylmethane diisocyanate	not applicable	Group 3	not applicable	not applicable	not applicable
Methylenediphenyl diisocyanate	not applicable	Group 3	not applicable	not applicable	not applicable
Methylenediphenyl diisocyanate	not applicable	Group 3	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Methylenediphenyl diisocyanate	EC50 = 3230 mg/L Skeletonema costatum 96 h	no data available	no data available	EC50 1000 mg/L Daphnia magna 24 h	N/A
Di-propylheptyl phthalate	EC50 > 500 mg/L Desmodesmus subspicatus 72 h	LC50 > 0.18 mg/L Lepomis macrochirus 96 h LC50 > 0.23 mg/L Pimephales promelas 96 h	no data available	EC50 1 mg/L Daphnia magna 48 h	N/A
Methylenediphenyl diisocyanate	EC50 = 3230 mg/L Skeletonema costatum 96 h	no data available	no data available	EC50 1000 mg/L Daphnia magna 24 h	4.5

**Persistence and Degradability** No information available.  
**Bioaccumulation** No information available.  
**Mobility** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.  
**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated  
**TDG** Not regulated  
**ICAO** Not regulated  
**IATA** Not regulated  
**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

**Inventories**

TSCA	Complies
DSL	Complies
U.S. Federal Regulations	

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Polymeric diphenylmethane diisocyanate	9016-87-9	30-60	1.0
Methylenediphenyl diisocyanate	101-68-8	10-30	1.0
Methylenediphenyl diisocyanate	26447-40-5	5-10	1.0

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	Yes

**GERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methylenediphenyl diisocyanate	5000 lb	Not applicable

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Diisodecyl phthalate	26761-40-0	developmental toxicity

**16. OTHER INFORMATION**

Prepared By	Christopher Drogin
Supersedes Date	08/01/2011
Issuing Date	07/29/2014
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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