Material Safety Data Sheet: MEGA-CRETE FAST CURE ACTIVATOR

Supercedes 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

2. HAZARDS IDENTIFICATION

Emergency Overview
DANGER
Causes eye irritation
Causes skin irritation
May cause allergic skin reaction
May cause allergic respiratory reaction
Harmful if swallowed
Keep out of reach of children

Color dark brown **Physical State** Liquid **Odor** Hydrocarbon

Potential Health Effects	
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.
Potential Environmental Effects	See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Polymeric diphenylmethane diisocyanate	9016-87-9	30-60
Methyllenediphenyl 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

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
Eye Contact	Wash off with warm water. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.
Skin Contact	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.
Inhalation	If inhaled, remove to fresh air. Get medical attention immediately. If breathing has stopped, apply artificial respiration. The substance has delayed effects.
Ingestion	Do NOT induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Consult a physician.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 390 °F / 199 °C **Method** Pensky Marten Closed Tester
Autoignition Temperature No information available.
Upper 0 **Lower** .30
Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). 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.

NFPA	**Health** 2	**Flammability** 1	**Instability** 1
HMIS	**Health** 2	**Flammability** 1	**Instability** 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	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.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	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)
Methods for Cleaning Up	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 absobent 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.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

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

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^3	75 mg/m^3 Ceiling: 0.020 ppm Ceiling: 0.2 mg/m^3 TWA: 0.005 ppm TWA: 0.05 mg/m^3
Methylenediphenyl diisocyanate	No data available	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m^3	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

Physical State	Liquid	**Viscosity**	250 cps
Color	dark brown	**Odor**	Hydrocarbon
Appearance	Textured black paste	**pH**	Not applicable
Specific Gravity	1.142	**Evaporation Rate**	<1 (ether = 1)
Percent Volatile (Volume)	No information available	**VOC Content (%)**	0
Vapor Pressure	No information available	**Vapor Density**	Heavier than air
Solubility	Insoluble	**Boiling Point/Range**	406 °F / 208 °C

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Polymerization can occur. Hazardous polymerization does not occur.

Conditions to Avoid Do not freeze, Protect from moisture, At high temperatures.

Incompatible Products Acids, Bases, Alcohols, Amines, Copper alloys, Water, The reaction with water is slow at 122°F (50°C) .

Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), Hydrogen cyanide, Isocyanides, Smoke.

Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

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^3 (Rat) 4 h	no data available	no data available
Methyllenediphenyl diisocyanate	> 7400 mg/kg (Rat)	> 6200 mg/kg (Rabbit)	= 0.369 mg/L (Rat) 4 h = 369 mg/m^3 (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

Chronic Toxicity

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
Methyllenediphenyl 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
Methyllenediphenyl 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
Methyllenediphenyl 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
Methyllenediphenyl 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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methyllenediphenyl 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

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials, D2A Very toxic materials, D2B Toxic materials.

16. OTHER INFORMATION

Prepared By	Christopher Drogin
Supercedes 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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