

Safety Data Sheet: WEAR-FLEX XPRESS SPRAY BASE

Supersedes Date 01/25/2010

Issuing Date 05/20/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name WEAR-FLEX XPRESS SPRAY 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 57574601

Chemical nature Isocyanates - Amine blend

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Black Dark gray light gray White Beige
Pewter Desert sand Red Yellow Blue Dark
blue Light blue green Dark green

Physical State Liquid

Odor Slightly Amine-like

GHS

Classification

Physical Hazards

None

Health Hazard

Acute Oral Toxicity

Acute Dermal Toxicity

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Carcinogenicity

Specific target organ systemic toxicity (repeated exposure)

Other hazards

None

Category 4

Category 4

Category 3

Category 2

Category 1A

Category 2

Labeling

Signal Word

DANGER



Hazard Statements

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H319 - Causes serious eye irritation

H350 - May cause cancer

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 gas, vapor, 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.

P314 - Get medical attention/advice if you feel unwell

P322 - Specific measures (see supplemental first aid instructions on this label)

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

P363 - Wash contaminated clothing before reuse

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

P301+ P312 - IF SWALLOWED: Call a physician if unwell

P330 - Rinse mouth

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.

P405 - Store locked up

P391 - Collect spillage

P273 - Avoid release to the environment

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

59.9 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Polyether PolyI	9082-00-2	40-70
Diethyltoluenediamine	68479-98-1	10-30
Diethylene glycol	111-46-6	3-10
Carbon black	1333-86-4	1-5
Crystalline Silica (Quartz)	14808-60-7	.1-.5

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapors, mist, or gas. Do not take internally.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Get medical attention.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. Consult a physician.
Ingestion	Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Consult a physician. Never give anything by mouth to an unconscious person. Rinse mouth.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	> 275 °F / > 135 °C	Method	Tag closed cup
Upper	No data available	Lower	No data available
Suitable Extinguishing Media	Dry chemical. Foam. Carbon dioxide (CO2). Water spray.		
Specific hazards arising from the chemical	Material can create slippery conditions.		
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 0
HMIS	Health 2	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with skin, eyes, and clothing.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods for Containment	No information available.
Methods for Cleaning Up	Wear suitable protective equipment. Soak up with inert absorbent material. Shovel into suitable container for disposal. Do not seal containers hermetically. Clean contaminated surface thoroughly.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.			
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	77 °F / 25 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Polyether PolyI	No data available	No data available	No data available
Diethyltoluenediamine	No data available	No data available	No data available
Diethylene glycol	No data available	No data available	No data available
Carbon black	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³
Crystalline Silica (Quartz)	: 0.025 mg/m ³ TWA (respirable fraction)	No data available	50 mg/m ³ respirable dust TWA: 0.05 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Goggles.
Skin Protection	Nitrile rubber, Neoprene gloves, Wear suitable protective clothing.
Respiratory Protection	Use NIOSH approved respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Semi-viscous
Color	Black Dark gray light gray White Beige Pewter Desert sand Red Yellow Blue Dark blue Light blue green Dark green	Odor	Slightly Amine-like
Odor Threshold	Not applicable	Appearance	Textured black paste
pH	Not applicable	Specific Gravity	1.06
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	Slightly soluble
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	586 °F / 308 °C
Flammability (solid, gas)	No data available	Method	Tag closed cup
Flash Point	> 275 °F / > 135 °C		
Autoignition Temperature	No information available.		
Upper No data available Lower No data available			

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Exposure to air or moisture over prolonged periods, Heat, flames, and sparks, Extremes of temperature and direct sunlight.
Incompatible Products	Strong oxidizing agents, Isocyanates.
Hazardous Decomposition Products	Organic materials
Possibility of Hazardous Reactions	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):

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

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

Primary Routes of Entry Inhalation

Acute Effects

Eyes Causes eye irritation.

Skin May cause skin irritation. May cause irritation seen as itching and redness .

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system . May cause headache and dizziness.

Ingestion Harmful if swallowed. Causes headache, drowsiness or other effects to the central nervous system. Liver and kidney injuries may occur.

Chronic Toxicity

Respiratory or skin sensitization.

Target Organ Effects

Liver, Kidney, Central Nervous System, Respiratory system, Lymphatic System, Blood.

Aggravated Medical Conditions

Liver disorders, Kidney disorders, Central nervous system, Allergies, Skin disorders, Pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis, Respiratory disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Polyether PolyI	no data available	no data available	no data available	no data available	no data available
Diethyltoluenediamine	= 485 mg/kg (Rat)	= 700 mg/kg (Rabbit)	no data available	no data available	no data available

Diethylene glycol	= 12565 mg/kg (Rat)	= 11890 mg/kg (Rabbit)	no data available	no data available	no data available
Carbon black	no data available	no data available	no data available	no data available	no data available
Crystalline Silica (Quartz)	= 500 mg/kg (Rat)	no data available	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Polyether PolyI	no data available	no data available	no data available	no data available	no data available
Diethyltoluenediamine	no data available	no data available	no data available	no data available	no data available
Diethylene glycol	no data available	no data available	no data available	no data available	CNS, blood, heart, liver, kidney
Carbon black	no data available	no data available	no data available	no data available	eyes, respiratory system
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	eyes, respiratory system (in animals: lung cancer), kidneys

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Polyether PolyI	not applicable	not applicable	not applicable	not applicable	not applicable
Diethyltoluenediamine	not applicable	not applicable	not applicable	not applicable	not applicable
Diethylene glycol	not applicable	not applicable	not applicable	not applicable	not applicable
Carbon black	A3	Group 2B	not applicable	X	not applicable
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Polyether PolyI	no data available	no data available	no data available	no data available	N/A
Diethyltoluenediamine	no data available	no data available	no data available	no data available	N/A
Diethylene glycol	no data available	LC50 = 75200 mg/L Pimephales promelas 96 h	EC50 = 29228 mg/L 15 min	EC50 84000 mg/L Daphnia magna 48 h	-1.98
Carbon black	no data available	no data available	no data available	EC50 5600 mg/L Daphnia magna 24 h	N/A
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	N/A

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 does not contain any chemicals

which are subject to the reporting requirements of the Act 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	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Polyether PolyI	Not applicable	Not applicable
Diethyltoluenediamine	Not applicable	Not applicable
Diethylene glycol	Not applicable	Not applicable
Carbon black	Not applicable	Not applicable
Crystalline Silica (Quartz)	Not applicable	Not applicable

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

This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Crystalline Silica (Quartz)	14808-60-7	carcinogen
Carbon black	1333-86-4	carcinogen

16. OTHER INFORMATION

Prepared By	Christopher Drogin
Supersedes Date	01/25/2010
Issuing Date	05/20/2014
Reason for Revision	No information available.
Glossary	No information available.
List of References.	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: WEAR-FLEX XPRESS SPRAY ACT

Supersedes Date 08/10/2009

Issuing Date 05/20/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name WEAR-FLEX XPRESS SPRAY ACT

Recommended use Patching compound

Information on Manufacturer

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code 57574600

Chemical nature Isocyanates

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Amber

Physical State Liquid

Odor Amine-like

GHS

Classification

Physical Hazards

Flammable liquids

Category 4

Health Hazard

Acute Inhalation Toxicity - Gas

Category 1

Acute Inhalation Toxicity - Vapors

Category 1

Acute Inhalation Toxicity - Dusts and Mists

Category 4

Skin Corrosion/Irritation

Category 2

Serious Eye Damage/Eye Irritation

Category 2

Respiratory Sensitization

Category 1

Skin Sensitization

Category 1

Specific target organ systemic toxicity (single exposure)

Category 3

Specific target organ systemic toxicity (repeated exposure)

Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H317 - May cause an allergic skin reaction

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

H335 - May cause respiratory irritation

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 mist, vapor, gas or dust.

P284 - Wear respiratory protection

P271 - Use in a well-ventilated area.

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.

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

P312 - Call a physician if unwell.

P314 - Get medical attention/advice if you feel unwell

P320 - Specific treatment is urgent (see mist, vapor, gas or dust. on this label)

P321 - Specific treatment (see supplemental first aid instructions on this label)

P362 - Take off contaminated clothing and wash before reuse

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

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

Rinse skin with water or shower

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

P363 - Wash contaminated clothing before reuse

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

P310 - Immediately call a 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.

40 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Methylene bisphenol isocyanate (MDI)	101-68-8	30-60
Polyurethane prepolymer	67837-35-8	30-60
Methylenediphenyl diisocyanate	26447-40-5	10-25

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
Skin Contact	Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Inhalation	Move to fresh air. The substance has delayed effects. Get medical attention if symptoms occur.
Ingestion	If swallowed, do not induce vomiting - seek medical advice. Drink plenty of water. Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically. Note.

5. FIRE-FIGHTING MEASURES

Flash Point	> 200 °F / > 93 °C	Method	Tag closed cup
Upper	No data available	Lower	No data available

Suitable Extinguishing Media

Dry chemical. Foam. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

The reaction between water and large amounts of hot isocyanate may be vigorous . If water is used, use large quantities of cold water . Water contamination will produce CO₂ . Do not reseal containers as pressure build up may rupture them .

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors.

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	Avoid contact with the skin and the eyes. Wear protective gloves/clothing. Due to the nature of the packaging, a large spill is unlikely. Pick up spilled material with a cloth or suitable absorbent and dispose of properly .
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods for Containment	No information available.
Methods for Cleaning Up	Soak up with inert absorbent material. Do not seal containers hermetically. Clean contaminated surface thoroughly. Diluted aqueous solution of ammonium hydroxide.
Neutralizing Agent	Diluted aqueous solution of ammonium hydroxide.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.			
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	77 °F / 25 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Methylene bisphenol isocyanate (MDI)	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
Polyurethane prepolymer	No data available	No data available	No data available
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**

Goggles.

Skin Protection

Nitrile rubber, Neoprene gloves, Wear suitable protective clothing.

Respiratory Protection

Use NIOSH approved respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Semi-viscous
Color	Amber	Odor	Amine-like
Odor Threshold	Not applicable	Appearance	Clear
pH	Not applicable	Specific Gravity	1.14
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	Immiscible
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	> 302 °F / 150 °C
Flammability (solid, gas)	No data available	Method	Tag closed cup
Flash Point	> 200 °F / > 93 °C		
Autoignition Temperature	No information available.		
Upper No data available Lower No data available			

10. STABILITY AND REACTIVITY

Chemical Stability	Stable up to 400F/204°C.
Conditions to Avoid	Heat, flames, and sparks, Protect from water, Extremes of temperature and direct sunlight.
Incompatible Products	Water, Alcohols, Strong bases, Strong oxidizing agents, Acids, Ammonia, Amines, Alkalis .
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Ammonia, Hydrogen cyanide, Thermal decomposition can lead to release of irritating gases and vapors.
Possibility of Hazardous Reactions	May occur at temperatures above 400°F (207°C) in the presence of incompatible materials

11. TOXICOLOGICAL INFORMATION**Product Information**

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

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.**Primary Routes of Entry** None known**Acute Effects****Eyes**

Severe eye irritant. Avoid contact with eyes. Risk of serious damage to eyes.

Skin

Avoid contact with skin. May cause skin irritation. May cause allergic skin reaction. May cause sensitization by skin contact.

Inhalation

Harmful by inhalation. Irritating to respiratory system. May cause allergic respiratory reaction. Inhalation may cause central nervous system effects. Causes headache, drowsiness or other effects to the central nervous system. May cause sensitization by inhalation.

Ingestion	May be harmful if swallowed. Can burn mouth, throat, and stomach. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	Respiratory or skin sensitization. Decreases lung function which may be permanent .
Target Organ Effects	Eyes, Skin, Central nervous system, Blood, Gastrointestinal tract, Respiratory system.
Aggravated Medical Conditions	Allergies, Skin disorders, Respiratory system, Central nervous system, Pre-existing liver and kidney diseases, Cardiovascular, Neurological disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Methylene bisphenol isocyanate (MDI)	> 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
Polyurethane prepolymer	no data available	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
Methylene bisphenol isocyanate (MDI)	no data available	Skin sensitizer, Respiratory sensitizer	no data available	no data available	eyes, respiratory system, immune system
Polyurethane prepolymer	no data available	no data available	no data available	no data available	no data available
Methylenediphenyl diisocyanate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Methylene bisphenol isocyanate (MDI)	not applicable	Group 3	not applicable	not applicable	not applicable
Polyurethane prepolymer	not applicable	not applicable	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
Methylene bisphenol isocyanate (MDI)	EC50 = 3230 mg/L Skeletonema costatum 96 h	no data available	no data available	EC50 1000 mg/L Daphnia magna 24 h	N/A
Polyurethane prepolymer	no data available	no data available	no data available	no data available	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
Methylene bisphenol isocyanate (MDI)	101-68-8	30-60	1.0
Methylenediphenyl diisocyanate	26447-40-5	10-25	1.0

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methylene bisphenol isocyanate (MDI)	5000 lb	Not applicable
Polyurethane prepolymer	Not applicable	Not applicable
Methylenediphenyl diisocyanate	Not applicable	Not applicable

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

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Prepared By Christopher Drogin
 Supersedes Date 08/10/2009
 Issuing Date 05/20/2014
 Reason for Revision No information available.
 Glossary No information available.
 List of References. 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.