

Safety Data Sheet MEGA URETHANE H2O PART A – BASE

Supersedes Date Not applicable

Issuing Date 05/24/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA URETHANE H2O PART A – BASE

Recommended use Polyurethane Coating

Information on Manufacturer

Mega Metals, Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PME57567

Chemical nature Polymer suspension

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Light yellow

Physical state Liquid

Odor Ammonia

GHS

Classification

Physical Hazards

Health Hazard

Serious Eye Damage/Eye Irritation

Specific target organ systemic toxicity (single exposure)

Category 2B

Category 3

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H320 - Causes eye irritation

H335 - May cause respiratory irritation

Precautionary Statements

P261 - Avoid breathing vapor or mist.

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

P271 - Use in a well-ventilated area.

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

P312 - Call a physician if unwell.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Water	7732-18-5	40-70
Polyacrylate resin, non-hazardous	---	30-60
1-Butoxy-2-propanol	5131-66-8	0.1-1.0

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice

Eye Contact

Skin Contact

Inhalation

Ingestion

Notes to physician

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 250 °F / > 121 °C

Method Seta closed cup

Upper: 25

Lower: 16

Suitable Extinguishing Media

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

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, NOHSC (approved or equivalent) and full protective gear.

NFPA Health 1

Flammability 1

Instability 0

HMIS Health 1

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

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

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

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).

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature

Minimum No information available

Maximum No information available

Storage Conditions

Indoor X

Outdoor

Heated

Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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 insufficient ventilation wear suitable respiratory equipment.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Viscosity

No information available

Color

Light yellow

Odor

Ammonia

Odor Threshold

Not applicable

Appearance

No information available.

pH

No data available

Specific Gravity

= 1.06

Evaporation Rate

.07 (BuAc = 1)

Percent Volatile (Volume)

No information available

VOC Content (%)

No information available.

VOC Content (g/L)

0

Vapor Pressure

29.33 mmHg @ 68°F

Vapor Density

0.6 (Air= 1)

Solubility

No information available.

n-Octanol/Water Partition

No data available

Melting Point/Range

No data available

Decomposition Temperature

No data available

Boiling Point/Range

> 212 °F / 100 °C

Flammability (solid, gas)

No data available

Flash Point

> 250 °F / > 121 °C

Method

Seta closed cup

Autoignition Temperature

No information available.

Upper: 25 Lower: 16

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Products

No materials to be especially mentioned.

Decomposition Temperature

No data available

Hazardous Decomposition Products
Possibility of Hazardous Reactions

None under normal use.
None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

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 May cause slight irritation.

Skin Substance may cause slight skin irritation.

Inhalation May cause irritation of respiratory tract. Vapours may cause drowsiness and dizziness.

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

Chronic Toxicity No information available.

Target Organ Effects No information available.

Aggravated Medical Conditions Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Water 7732-18-5	> 90 mL/kg (Rat)	no data available	No data available	No data available	No data available
1-Butoxy-2-propanol 5131-66-8	= 1900 mg/kg (Rat)	no data available	No data available	No data available	No data available

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 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	No	No	No	No

CERCLA

None

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

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Prepared By Christopher Drogin
Supercedes Date Not applicable
Issuing Date 05/24/2017
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 MEGA URETHANE H2O PART B – ACTIVATOR

Supersedes Date Not applicable

Issuing Date 05/24/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA URETHANE H2O PART B – ACTIVATOR

Recommended use Polyurethane Coating

Information on Manufacturer

Mega Metals, Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PMF57567

Chemical nature Isocyanates

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color No information available

Physical state Liquid

Odor No information available.

GHS

Classification

Physical Hazards

Health Hazard

Acute Inhalation Toxicity - Gas

Acute Inhalation Toxicity - Vapors

Acute toxicity - Inhalation (Dusts/Mists)

Serious Eye Damage/Eye Irritation

Respiratory Sensitization

Skin sensitization

Category 3

Category 3

Category 4

Category 2A

Category 1

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H318 - Causes serious eye damage

H331 - Toxic if inhaled

H317 - May cause an allergic skin reaction

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

Precautionary Statements

P261 - Avoid breathing vapor or mist.

P271 - Use in a well-ventilated area.

P285 - In case of inadequate ventilation wear respiratory protection

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

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

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

P312 - Call a physician if unwell.

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

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.

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

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

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

P363 - Wash contaminated clothing before reuse.

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.

25 % of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Polyhexamethylene Diisocyanate	28182-81-2	60-100

Cyclohexanamine, N,N-dimethyl-, compds. with 3-(cyclohexylamino)-1-propanesulfonic acid-blocked 1,6-diisocyanatohexane homopolymer	666723-27-9	15-40
N,N-Dimethylcyclohexylamine	98-94-2	0.1-1.0
Hexamethylene diisocyanate	822-06-0	0.1-1.0

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	No information available.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use. Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water.
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C	Method Seta closed cup
Upper: No data available	Lower: No data available
Suitable Extinguishing Media	
Carbon dioxide (CO2). Dry chemical. Foam. Water spray.	
Specific hazards arising from the chemical	
The product causes burns of eyes, skin and mucous membranes.	
Protective Equipment and Precautions for Firefighters	
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.	
NFPA	Health 2
HMIS	Health 2
	Flammability 1
	Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	No information available.
Methods for Cleaning Up	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).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Keep away from clothing and other combustible materials.
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
Storage Temperature	Minimum No information available
Storage Conditions	Indoor X Outdoor Maximum No information available
	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Hexamethylene diisocyanate	TWA: 0.005 ppm	No data available	Ceiling: 0.020 ppm Ceiling: 0.140 mg/m ³ TWA: 0.005 ppm TWA: 0.035 mg/m ³

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	Use NIOSH approved respiratory protection. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2). Wear a NIOSH approved respirator.
General Hygiene Considerations	Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	No information available
Color	colorless	Odor	No information available.
Odor Threshold	Not applicable	Appearance	No information available.
pH	Not applicable	Specific Gravity	= 1.16
Evaporation Rate	No information available	Percent Volatile (Volume)	No information available
VOC Content (%)	No information available.	Vapor Pressure	No information available
Vapor Density	No information available	Solubility	No information available.
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	No data available
Flammability (solid, gas)	No data available		
Flash Point	> 201 °F / > 94 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Upper: No data available Lower: No data available			

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Closed container may burst or explode when exposed to heat or contaminated with water.
Incompatible Products	Water, Amines, Strong bases, Alcohols, Mital compounds and surface active materials.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Hydrogen cyanide.
Possibility of Hazardous Reactions	May occur at temperatures above 400°F (207°C) in the presence of incompatible materials.

11. TOXICOLOGICAL INFORMATION

Product Information	No information available.
The following values are calculated based on chapter 3.1 of the GHS document	
Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	750
Mist	4.625
Vapor	4.625
Principle Route of Exposure	Eye contact, Inhalation, Skin contact.
Primary Routes of Entry	None known.
Acute Effects:	
Eyes	May cause eye irritation.
Skin	May cause skin irritation.
Inhalation	(Mist). May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis.
Target Organ Effects	Respiratory system.
Aggravated Medical Conditions	Pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Polyhexamethylene Diisocyanate 28182-81-2	No data available	no data available	= 18500 mg/m ³ (Rat) 1 h	No data available	No data available
N,N-Dimethylcyclohexylamine 98-94-2	= 272 mg/kg (Rat)	no data available	= 1889 mg/m ³ (Rat) 2 h	No data available	No data available
Hexamethylene diisocyanate 822-06-0	= 738 mg/kg (Rat)	= 593 mg/kg (Rabbit)	= 0.06 mg/L (Rat) 4 h	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Polyhexamethylene Diisocyanate 28182-81-2	No data available	Skin sensitizer, Respiratory sensitizer	No data available	No data available	No data available
Hexamethylene diisocyanate 822-06-0	No data available	Skin sensitizer, Respiratory sensitizer	No data available	No data available	Skin; Eyes; Respiratory system

Carcinogenicity	There are no known carcinogenic chemicals in this product.
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12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
N,N-Dimethylcyclohexylamine	EC50 = 0.309 mg/L Desmodesmus subspicatus 72 h EC50 = 0.0885 mg/L Desmodesmus subspicatus 96 h	No information available.	EC50 = 206 mg/L 17 h	75: 48 h Daphnia magna Straus mg/L EC50	2.01
Hexamethylene diisocyanate	No information available.	LC50 = 26.1 mg/L Brachydanio rerio 96 h	EC50 = 15.7 mg/L 30 min EC50 = 25.5 mg/L 15 min EC50 = 53.2 mg/L 5 min	No information 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

None

Component	Hazardous Substances RQs	CERCLA EHS RQs
Hexamethylene diisocyanate	100 lb	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

Not applicable

Issuing Date

05/24/2017

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.