

Safety Data Sheet: MEGA-CRETE TROWELABLE PRIMER PART A

Supersedes Date Not applicable

Issuing Date 08/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA-CRETE TROWELABLE PRIMER PART A

Recommended use Primers

Information on Manufacturer

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PMEVP01A

Chemical nature Epoxy resins

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Yellow

Physical State Liquid

Odor No information available

Mixture or Pure Substance: Mixture

GHS

Classification

Physical Hazards

None

Health Hazard

Acute Inhalation Toxicity - Vapors

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Skin Sensitization

Germ Cell Mutagenicity

Other hazards

None

Category 4

Category 2

Category 2

Category 1

Category 2

Labeling

Signal Word

WARNING



Hazard Statements

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H341 - Suspected of causing genetic defects

Precautionary Statements

P201 - Obtain special instructions before use

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

P261 - Avoid breathing mist or vapor.

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

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

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

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

P362 - Take off contaminated clothing and wash before reuse

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

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.

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 %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	60-100
Oxirane, [(2-methylphenoxy)methyl]-	2210-79-9	10-30

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
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	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
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	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. 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	
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	When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use. 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	Yellow	Odor	No information available
Odor Threshold	Not applicable	Appearance	No information available

pH	Not applicable	Specific Gravity	= 1.14
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	Method	Seta closed cup
Flash Point	> 201 °F / > 94 °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	None known
Incompatible Products	Strong oxidizers, acids and bases, Amines.
Hazardous Decomposition Products	Carbon oxides, Aldehydes, Organic acids.
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	19.2

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	May cause irritation of respiratory tract. (Mist).
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	Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Bisphenol A - Epichlorohydrin polymer	= 11400 mg/kg (Rat)	no data available	no data available	no data available	no data available
Oxirane, [(2-methylphenoxy) methyl]-	= 4 g/kg (Rat)	> 2000 mg/kg (Rabbit)	= 4.8 mg/L (Rat) 4 h = 6090 mg/m ³ (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Bisphenol A - Epichlorohydrin polymer	no data available	Skin sensitization	no data available	no data available	immune system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Oxirane, [(2-methylphenoxy) methyl]-	no data available	LC50 2.8 - 5.6 mg/L Salmo gairdneri 96 h	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

U.S. State Regulations

California Proposition 65 This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Phenyl glycidyl ether	122-60-1	carcinogen male reproductive toxicity

16. OTHER INFORMATION

Prepared By Christopher Drogin
Supersedes Date Not applicable
Issuing Date 08/06/2014
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: MEGA-CRETE TROWELABLE PRIMER PART B

Supersedes Date Not applicable

Issuing Date 08/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA-CRETE TROWELABLE PRIMER PART B

Recommended use Primers

Information on Manufacturer

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PMEVP01B

Chemical nature Epoxy Amine blend

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color amber

Physical State Liquid

Odor Ammoniacal

GHS

Classification

Physical Hazards

None

Substances/mixtures corrosive to metal

Category 1

Health Hazard

Acute Oral Toxicity

Category 4

Acute Dermal Toxicity

Category 3

Skin Corrosion/Irritation

Category 1

Serious Eye Damage/Eye Irritation

Category 1

Skin Sensitization

Category 1

Reproductive Toxicity

Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H314 - Causes severe skin burns and eye damage

H311 - Toxic in contact with skin

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H361 - Suspected of damaging fertility or the unborn child

H290 - May be corrosive to metals

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 or mist.

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.

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

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

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

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

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

P334 - Immerse in cool water/wrap with wet bandages

P363 - Wash contaminated clothing before reuse

P312 - Call a physician if unwell.

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

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

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

P310 - Immediately call a physician

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

P234 - Keep only in original container

P405 - Store locked up

P390 - Absorb spillage to prevent damage

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

65 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
1-(2-Aminoethyl) piperazine	140-31-8	10-30
Bisphenol A	80-05-7	5-10
Triethylene tetramine	112-24-3	5-10

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
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	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.
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	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 1
HMIS	Health 2	Flammability 1	Instability 1

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. Keep away from clothing and other combustible materials. 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
General Hygiene Considerations

In case of inadequate ventilation wear respiratory protection.
Ensure that eyewash stations and safety showers are close to the workstation location. 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	No information available
Color	amber	Odor	Ammoniacal
Odor Threshold	Not applicable	Appearance	No information available
pH	Not applicable	Specific Gravity	= 0.98
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	Method	Seta closed cup
Flash Point	> 201 °F / > 94 °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	None known
Incompatible Products	Strong oxidizing agents, Strong acids.
Hazardous Decomposition Products	None under normal use
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	659
Dermal LD50	996
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

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	May cause irritation of respiratory tract. (Mist).
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	Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
1-(2-Aminoethyl) piperazine	= 2140 mg/kg (Rat)	= 880 µL/kg (Rabbit)	no data available	no data available	no data available
Bisphenol A	= 3200 mg/kg (Rat)	= 3 mL/kg (Rabbit)	no data available	no data available	no data available
Triethylene tetramine	= 2500 mg/kg (Rat)	= 550 mg/kg (Rabbit)	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Triethylene tetramine	no data available	Skin sensitization	no data available	no data available	immune system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.
Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
1-(2-Aminoethyl) piperazine	EC50 = 495 mg/L Pseudokirchneriella subcapitata 72 h	LC50 1950 - 2460 mg/L Pimephales promelas 96 h LC50 > 1000 mg/L Poecilia reticulata 96 h LC50 >= 100 mg/L Oncorhynchus mykiss 96 h	EC50 > 10000 mg/L 17 h	EC50 32 mg/L Daphnia magna 48 h	-1.48
Bisphenol A	EC50 = 2.5 mg/L Pseudokirchneriella subcapitata 96 h	LC50 3.6 - 5.4 mg/L Pimephales promelas 96 h LC50 4.0 - 5.5 mg/L Pimephales promelas 96 h LC50 = 4 mg/L Oncorhynchus mykiss 96 h LC50 = 9.9 mg/L Brachydanio rerio 96 h	no data available	EC50 9.2 - 11.4 mg/L Daphnia magna 48 h EC50 10.2 mg/L Daphnia magna 48 h EC50 3.9 mg/L Daphnia magna 48 h	2.2
Triethylene tetramine	EC50 = 2.5 mg/L Desmodesmus subspicatus 72 h EC50 = 20 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 3.7 mg/L Pseudokirchneriella subcapitata 96 h	LC50 = 495 mg/L Pimephales promelas 96 h LC50 = 570 mg/L Poecilia reticulata 96 h	no data available	EC50 31.1 mg/L Daphnia magna 48 h	-1.4

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 AMINES, LIQUID, CORROSIVE, N.O.S.,
Hazard Class 8
UN-No UN2735
Packing Group III
Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (1-(2-AMINOETHYL) PIPERAZINE , TRIETHYLENE TETRAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

TDG

Hazard Class 8
UN-No UN2735
Packing Group III

ICAO

UN-No UN2735
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class 8
Packing Group III
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (1-(2-AMINOETHYL) PIPERAZINE , TRIETHYLENE TETRAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

IATA

UN-No UN2735
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.,
Hazard Class 8
Packing Group III
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (1-(2-AMINOETHYL) PIPERAZINE , TRIETHYLENE TETRAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

IMDG/IMO

Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.,
Hazard Class 8
UN-No UN2735
Packing Group III

Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (1-(2-AMINOETHYL) PIPERAZINE , TRIETHYLENE TETRAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

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
Bisphenol A	80-05-7	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	No

CERCLA

**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 08/06/2014
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: MEGA-CRETE TROWELABLE PART A

Supersedes Date Not applicable

Issuing Date 08/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA-CRETE TROWELABLE PART A

Recommended use Primers

Information on Manufacturer

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PMEVP01A

Chemical nature Epoxy resins

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Yellow

Physical State Liquid

Odor No information available

Mixture or Pure Substance: Mixture

GHS

Classification

Physical Hazards

None

Health Hazard

Acute Inhalation Toxicity - Vapors

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Skin Sensitization

Germ Cell Mutagenicity

Other hazards

None

Category 4

Category 2

Category 2

Category 1

Category 2

Labeling

Signal Word

WARNING



Hazard Statements

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H341 - Suspected of causing genetic defects

Precautionary Statements

P201 - Obtain special instructions before use

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

P261 - Avoid breathing mist or vapor.

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

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

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

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

P362 - Take off contaminated clothing and wash before reuse

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

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.

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 %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	60-100
Oxirane, [(2-methylphenoxy)methyl]-	2210-79-9	10-30

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
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	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
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	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. 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	
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	When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use. 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	Yellow	Odor	No information available
Odor Threshold	Not applicable	Appearance	No information available

pH	Not applicable	Specific Gravity	= 1.14
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	Method	Seta closed cup
Flash Point	> 201 °F / > 94 °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	None known
Incompatible Products	Strong oxidizers, acids and bases, Amines.
Hazardous Decomposition Products	Carbon oxides, Aldehydes, Organic acids.
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	19.2

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	May cause irritation of respiratory tract. (Mist).
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	Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Bisphenol A - Epichlorohydrin polymer	= 11400 mg/kg (Rat)	no data available	no data available	no data available	no data available
Oxirane, [(2-methylphenoxy) methyl]-	= 4 g/kg (Rat)	> 2000 mg/kg (Rabbit)	= 4.8 mg/L (Rat) 4 h = 6090 mg/m ³ (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Bisphenol A - Epichlorohydrin polymer	no data available	Skin sensitization	no data available	no data available	immune system

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Oxirane, [(2-methylphenoxy) methyl]-	no data available	LC50 2.8 - 5.6 mg/L Salmo gairdneri 96 h	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 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

U.S. State Regulations

California Proposition 65 This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Phenyl glycidyl ether	122-60-1	carcinogen male reproductive toxicity

16. OTHER INFORMATION

Prepared By Christopher Drogin
Supersedes Date Not applicable
Issuing Date 08/06/2014
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: MEGA-CRETE TROWELABLE PART B

Supersedes Date Not applicable

Issuing Date 08/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA-CRETE TROWELABLE PART B

Recommended use Hardener

Information on Manufacturer

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PMEVP02B

Chemical nature Amine blend Epoxies

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Amber

Physical State Liquid

Odor Ammoniacal

GHS

Classification

Physical Hazards

None

Substances/mixtures corrosive to metal

Category 1

Health Hazard

Aspiration Toxicity

Category 1

Acute Oral Toxicity

Category 4

Acute Dermal Toxicity

Category 3

Skin Corrosion/Irritation

Category 1

Serious Eye Damage/Eye Irritation

Category 1

Respiratory Sensitization

Category 1

Skin Sensitization

Category 1

Reproductive Toxicity

Category 2

Specific target organ systemic toxicity (single exposure)

Category 3

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H290 - May be corrosive to metals

H302 - Harmful if swallowed

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

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

H335 - May cause respiratory irritation

H304 - May be fatal if swallowed and enters airways

H361 - Suspected of damaging fertility or the unborn child

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 or vapor.

P271 - Use in a well-ventilated area.

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.

P285 - In case of inadequate ventilation 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

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

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

P334 - Immerse in cool water/wrap with wet bandages

P361 - Remove/Take off immediately all contaminated clothing

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

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

P310 - Immediately call a physician

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

Rinse skin with water or shower

P312 -Call a POISON CENTER/doctor/physician if you feel unwell

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

P363 - Wash contaminated clothing before reuse

P301+ P310 - IF SWALLOWED: Immediately call a physician

P330 - Rinse mouth

P331 - DO NOT induce vomiting
 P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
 P313 - Get medical advice/attention
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 P406 - Store in corrosive resistant high density polyethylene (HDPE) container with a resistant inliner
 P405 - Store locked up
 P390 - Absorb spillage to prevent damage
 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 %
Diethylene triamine	111-40-0	60-100
Bisphenol A	80-05-7	15-40

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
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.
Inhalation Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water.
Ingestion If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Notes to physician Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.
 Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point = 230 °F / 110 °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
 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** 3 **Flammability** 1 **Instability** 0
HMIS **Health** 3 **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. Keep away from clothing and other combustible materials. 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

Component	ACGIH TLV	OSHA PEL	NIOSH
Diethylene triamine	TWA: 1 ppm Skin	No data available	TWA: 1 ppm TWA: 4 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection

Chemical goggles and a face shield should be worn when handling .

Skin Protection

Impervious clothing, Impervious gloves.

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. 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	No information available
Color	Amber	Odor	Ammoniacal
Odor Threshold	Not applicable	Appearance	No information available
pH	Not applicable	Specific Gravity	= 1.03
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	> 392 °F / 200 °C
Flammability (solid, gas)	No data available	Method	Seta closed cup
Flash Point	= 230 °F / 110 °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

None known

Incompatible Products

Under certain conditions, may react with nitrites or other nitrosating agents to form carcinogenic nitrosamines, Copper alloys, Aluminum, Zinc, Acids, Reactive metals, Oxidizing agents.

Hazardous Decomposition Products

Nitrosamines, Nitrogen oxides (NOx), Ammonia, Carbon oxides.

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

Eye contact, Inhalation, Skin contact.

Primary Routes of Entry

None known

Acute Effects

Eyes May cause eye irritation.

Skin May cause skin irritation.

Inhalation May cause irritation of respiratory tract. (Mist).

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

Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Diethylene triamine	= 819 mg/kg (Rat)	= 672 mg/kg (Rabbit)	no data available	no data available	no data available
Bisphenol A	= 3200 mg/kg (Rat)	= 3 mL/kg (Rabbit)	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Diethylene triamine	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	eyes, respiratory system, skin

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Diethylene triamine	EC50 = 1164 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 345.6 mg/L Pseudokirchneriella subcapitata 96 h EC50 = 592 mg/L Desmodesmus subspicatus 96 h	LC50 = 1014 mg/L Poecilia reticulata 96 h LC50 = 248 mg/L Poecilia reticulata 96 h LC50 = 430 mg/L Leuciscus idus 96 h	EC50 = 2000 mg/L 1 h EC50 = 96 mg/L 17 h	EC50 16 mg/L Daphnia magna 48 h EC50 37 mg/L Daphnia magna 24 h	-1.3
Bisphenol A	EC50 = 2.5 mg/L Pseudokirchneriella subcapitata 96 h	LC50 3.6 - 5.4 mg/L Pimephales promelas 96 h LC50 4.0 - 5.5 mg/L Pimephales promelas 96 h LC50 = 4 mg/L Oncorhynchus mykiss 96 h LC50 = 9.9 mg/L Brachydanio rerio 96 h	no data available	EC50 9.2 - 11.4 mg/L Daphnia magna 48 h EC50 10.2 mg/L Daphnia magna 48 h EC50 3.9 mg/L Daphnia magna 48 h	2.2

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 AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class 8
UN-No UN2735
Packing Group III
Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (DIETHYLENE TRIAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

TDG

Hazard Class 8
UN-No UN2735
Packing Group III

ICAO

UN-No UN2735
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class 8
Packing Group III
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (DIETHYLENE TRIAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

IATA

UN-No UN2735
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class 8
Packing Group III
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (DIETHYLENE TRIAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

QUANTITY EXCEPTION MAY APPLY)

IMDG/IMO

Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.,
Hazard Class 8
UN-No UN2735
Packing Group III
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., (DIETHYLENE TRIAMINE), 8, PG III (LIMITED QUANTITY EXCEPTION MAY APPLY)

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
Bisphenol A	80-05-7	15-40	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	No

CERCLA

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 08/06/2014
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: MEGA-CRETE TROWELABLE AGGREGATE

Supersedes Date 08/12/2011

Issuing Date 08/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA-CRETE TROWELABLE AGGREGATE

Recommended use Filler

Information on Manufacturer

Mega Metals,Partsmaster,Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code PMEVP02C

Chemical nature Sand

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color White - Tan

Physical State Solid

Odor Odorless

GHS

Classification

Physical Hazards

None

Health Hazard

Acute Oral Toxicity

Serious Eye Damage/Eye Irritation

Carcinogenicity

Specific target organ systemic toxicity (repeated exposure)

Other hazards

None

Category 4

Category 2B

Category 1A

Category 1

Labeling

Signal Word

DANGER



Hazard Statements

H320 - Causes eye irritation

H302 - Harmful if swallowed

H350 - May cause cancer

H370 - Causes damage to eyes, respiratory system and kidneys through prolonged or repeated exposure

Precautionary Statements

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

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

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

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

P260 - Do not breathe dust

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.

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P501 - Dispose of contents and container in accordance with applicable regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Crystalline Silica (Quartz)	14808-60-7	60-100
Iron oxide	1309-37-1	7-13
Aluminum oxide	1344-28-1	7-13
Calcium oxide	1305-78-8	1-5
Magnesium oxide	1309-48-4	1-5
Carbon Black	1333-86-4	0.1-1.0

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing dust.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	Does not flash	Method	Not applicable
Flammability Limits in Air %	Not applicable.	Upper	No data available
		Lower	No data available
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
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, MSHA/NIOSH (approved or equivalent) and full protective gear.		
NFPA	Health 1	Flammability 0	Instability 0
HMIS	Health 1	Flammability 0	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading.
Methods for Cleaning Up	Pick up and arrange disposal without creating dust.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing dust.			
Storage	Store in original container. Keep container tightly closed in a dry and well-ventilated place.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
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
Iron oxide	TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 15 mg/m ³ TWA: 5 mg/m ³	2500 mg/m ³ Fe dust and fume TWA: 5 mg/m ³
Aluminum oxide	TWA: 1 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	No data available
Calcium oxide	TWA: 2 mg/m ³	TWA: 5 mg/m ³	25 mg/m ³ TWA: 2 mg/m ³
Magnesium oxide	TWA: 10 mg/m ³	TWA: 15 mg/m ³	750 mg/m ³ fume
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

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Viscosity	Granular
Color	White - Tan	Odor	Odorless
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	2.65
Evaporation Rate	0 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	0	VOC Content (g/L)	0
Vapor Pressure	0 mmHg @ 70°F	Vapor Density	Not applicable
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	Not applicable	Flammability (solid, gas)	No data available
Flash Point	Does not flash	Method	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Not applicable.	Upper	No data available
		Lower	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Hydrogen fluoride, Fluorinated hydrocarbons.
Hazardous Decomposition Products	None under normal use
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	511.08
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	May cause eye irritation.
Skin	May cause skin irritation.
Inhalation	May cause irritation of respiratory tract.

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

Chronic Toxicity

Occupational health effects due to inhalation of mineral dusts incorporating crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc) graphite or coal. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Repeated exposure may cause skin dryness or cracking. Dust causes fibrosis. Contains a known or suspected carcinogen.

Target Organ Effects

Respiratory system, Kidney.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders, Kidney disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Crystalline Silica (Quartz)	= 500 mg/kg (Rat)	no data available	no data available	no data available	no data available
Iron oxide	> 10000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Aluminum oxide	> 5000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Calcium oxide	= 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
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	eyes, respiratory system (in animals: lung cancer), kidneys
Iron oxide	no data available	no data available	no data available	no data available	respiratory system eyes,respiratory system,skin
Aluminum oxide	no data available	no data available	no data available	no data available	eyes,respiratory

Calcium oxide	no data available	no data available	no data available	no data available	system,skin eyes,respiratory system,skin
Magnesium oxide	no data available	no data available	no data available	no data available	eyes,respiratory system
Carbon Black	no data available	no data available	no data available	no data available	eyes,respiratory system

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable
Iron oxide	not applicable	Group 3	not applicable	not applicable	not applicable
Carbon Black	A3	Group 2B	not applicable	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
Calcium oxide	no data available	LC50 = 1070 mg/L Cyprinus carpio 96 h	no data available	no data available	N/A
Carbon Black	no data available	no data available	no data available	EC50 5600 mg/L Daphnia magna 24 h	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.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Aluminum oxide	1344-28-1	7-13	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	No

CERCLA

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 08/12/2011
 Issuing Date 08/06/2014
 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

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