

Safety Data Sheet: MEGA CS COMPOUND ACTIVATOR

Supersedes Date 11/12/2012

Issuing Date 12/01/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA CS COMPOUND ACTIVATOR
Recommended use Epoxy hardening agent, chemical materials
Information on Manufacturer
Mega Metals, Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code 57500501
Chemical nature Epoxies
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
800-336-0450

2. HAZARD IDENTIFICATION

Color White

Physical State Solid

Odor Fishy ammonia

GHS

Classification

Physical Hazards

None

Substances/mixtures corrosive to metal

Category 1

Health Hazard

Acute Oral Toxicity

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Skin Sensitization

Carcinogenicity

Other hazards

None

Category 4

Category 1

Category 1

Category 1

Category 2

Labeling

Signal Word

DANGER



Hazard Statements

H314 - Causes severe skin burns and eye damage

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H351 - Suspected of causing cancer

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, 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.

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)

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

P363 - Wash contaminated clothing before reuse

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

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

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.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Ceramic microspheres	66402-68-4	15-40
2,4,6-Tris(dimethylamino) methyl phenol	90-72-2	10-30
Titanium dioxide	13463-67-7	5-10
3,6,9,12-Tetraazatetradecane-1,14-diamine	4067-16-7	5-10
Tetraethylenepentamine	112-57-2	1-5
Triethylene tetramine	112-24-3	0.1-1

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. Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur. Call a physician or poison control center immediately.
Ingestion	Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Rinse mouth.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	Does not flash °F / > °C	Method	Seta closed cup
Upper	No data available	Lower	No data available
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Dry chemical. Water spray.		
Specific hazards arising from the chemical	Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. 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 0	Instability 0
HMIS	Health 2	Flammability 0	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Methods for Containment	Do not flush into surface water or sanitary sewer system.
Methods for Cleaning Up	No information available
	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. Wear personal protective equipment. Ensure adequate ventilation.			
Storage	Keep away from open flames, hot surfaces and sources of ignition.			
Storage Temperature	Minimum	32 °F / 0 °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
Ceramic microspheres	TWA: 5 mg/m ³ TWA: 0.02 mg/m ³ TWA: 0.1 mg/m ³	TWA: 5 mg/m ³	STEL 10 mg/m ³ TWA: 5 mg/m ³

Titanium dioxide	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust	5000 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	Wear suitable protective clothing, Impervious gloves.		
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.		
General Hygiene Considerations	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	Solid	Viscosity	No information available
Color	White	Odor	Fishy ammonia
Odor Threshold	Not applicable	Appearance	White Paste
pH	Not applicable	Specific Gravity	Specific Gravity 1.58
Bulk Density (lb/cu ft)	98.7	Evaporation Rate	No information available
Percent Volatile (Volume)	No information available	VOC Content (%)	0
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
Decomposition temperature °F	392	Decomposition temperature °C	200
Boiling Point/Range	No data available	Flammability (solid, gas)	No data available
Flash Point	Does not flash °F / > °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	None known
Incompatible Products	Strong oxidizing agents, Strong acids and strong bases. > 392 °F
Hazardous Decomposition Products	Carbon oxides, Aldehydes, Acidic fumes, Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	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 (Rev. 3, 2009):

Oral LD50	1593
Dermal LD50	2386
Inhalation LC50	

Gas	No information available
Mist	No information available
Vapor	No information available

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

Primary Routes of Entry None known

Acute Effects

Eyes	May cause slight irritation
Skin	Substance may cause slight skin irritation
Inhalation	May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Inhalation may cause central nervous system effects.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Toxicity Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis.

Target Organ Effects Central nervous system, Respiratory system, Blood, Eyes, Lungs, Skin.

Aggravated Medical Conditions Neurological disorders, Central nervous system.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
2,4,6-Tris(dimethylamino) methyl phenol	= 1000 mg/kg (Rat)	= 1280 mg/kg (Rat)	no data available	no data available	no data available
Titanium dioxide	> 10000 mg/kg (Rat)	no data available	no data available	no data available	no data available

Tetraethylenepentamine	= 2100 mg/kg (Rat)	= 660 µL/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
Ceramic microspheres	no data available	no data available	no data available	no data available	no data available
Titanium dioxide	no data available	no data available	no data available	no data available	respiratory system
Triethylene tetramine	no data available	Skin sensitization	no data available	no data available	immune system

Carcinogenicity

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

Component	ACGIH	IARC	NTP	OSHA	Other
Ceramic microspheres	not applicable	not applicable	not applicable	not applicable	not applicable
Titanium dioxide	A4	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
Tetraethylenepentamine	EC50 = 2.1 mg/L Pseudokirchneriella subcapitata 72 h	LC50 = 420 mg/L Poecilia reticulata 96 h	no data available	24.1: 48 h Daphnia magna mg/L EC50	0.999
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	31.1: 48 h Daphnia magna mg/L EC50	-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 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
Ceramic microspheres	66402-68-4	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	Yes	No	No

CERCLA

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Titanium dioxide	13463-67-7	carcinogen

16. OTHER INFORMATION

Prepared By Christopher Drogin
Supersedes Date 11/12/2012
Issuing Date 12/01/2014
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.