



Safety Data Sheet (SDS)

Revision / Review Date: 3/16/15

1. Chemical Product and Company Identification

Product Name:	CTB (MGO)-65
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Magnesium Oxide, Process Oil Blend
Molecular Formula:	Not available
Molecular Weight via GPC, Mn:	Not available
Product Use:	Dispersions
OSHA Status:	Non hazardous
CAS No:	1309-48-4, 64742-52-5

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

<u>Warning:</u>	Not available.
<u>Signs and Symptoms of Exposure:</u>	Dizziness, irritation to the eyes, skin, mouth and stomach.
<u>Primary Routes of Entry:</u>	Eyes, Skin, Inhalation.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	Eye, skin, respiratory tract ailments.
<u>Emergency overview:</u>	Dust explosion hazards are known to exist for some powder raw materials. The bead form binder minimizes the generation of dust. Contains magnesium oxide which reacts with water.
<u>Eye Contact:</u>	May cause slight eye irritation of susceptible persons.
<u>Skin Contact:</u>	May cause skin irritation. Repeated skin contact may cause dermatitis. Repeated or prolonged skin contact may cause skin irritation.
<u>Ingestion:</u>	Substance may be harmful if swallowed. May irritate mouth, throat and stomach.
<u>Inhalation:</u>	Inhalation of the fume (produced only at high temperatures) can produce a febrile reaction and leukocytosis. Excessive inhalation over long term may cause industrial bronchitis. May cause dizziness.

<u>HMIS Hazard Ratings:</u>	Health-1, Flammability -1, Reactivity -1
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.
<u>Exposure limits:</u>	Magnesium oxide, CAS No 1309-48-4 ACGIH: 10 mg/m ³ TWA (total dust) 5 mg/m ³ (repairable dust) 750 mg/m ³ IDLH OSHA: 15 mg/m ³ TWA Oil mist CAS No. 64742-52-5 ACGIH: 5 mg/m ³ TWA 10 mg/m ³ STEL 2500 mg/m ³ IDLH OSHA: 5 mg.m ³ TWA

3. Composition / Information on Ingredients

Component Identity	CAS Registry Number
Magnesium oxide	1309-48-4
Hydrotreated Heavy Napthenic Distillate Petroleum	64742-52-5

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air. Seek medical advice if irritation persists.
<u>Eyes:</u>	Rinse with plenty of water. Seek medical attention if irritation persists.
<u>Skin:</u>	Wash off immediately with plenty of soap and water. Seek medical advice in case of irritation.
<u>Ingestion:</u>	Seek medical attention.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Dry Chemical, CO ₂ , Foam, Powder
<u>Special Fire Fighting Procedures:</u>	Do not use water. Reacts exothermically with water. A self-contained breathing apparatus (SCBA) in positive pressure mode and full firefighting protective gear should be worn for fighting fires. A MSHA/NIOSH approved self-contained breathing apparatus should be worn
<u>Hazardous Combustion Products:</u>	Not available.
<u>Unusual fire and explosion hazards:</u>	None known.

6. Accidental Release Measures

Steps to be taken in case material is spilled:

Sweep up by mechanical means. Avoid dust formation. Do not mix with water. Shut off ignition source. Dike and contain the spill with inert material (i.e., sand, earth, sawdust) and transfer solid dike material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.

Environmental Disposal Information:

Keep spills out of all sewers and bodies of water.

Waste Disposal:

Put into proper containers and dispose of in accordance with all local, state and federal regulations.

7. Handling and Storage

Empty Containers:

Not available.

Precautions to be taken in handling:

Persons handling equipment should wear protective equipment. Good housekeeping and hygienic practices should be observed. Do not store near combustible materials or in an area with automatic sprinkler system. Do not store near water, acids, interhalogens (bromine pentafluoride, chlorine trifluoride, etc.). Keep away from flames, sparks or hot surfaces. Do not store in direct sunlight for extended periods of time. Any use of this product in an elevated temperatures process should be evaluated to establish and maintain safe operating procedures.

Storage:

Store in original sealed packaging. Containers should be kept tightly closed and stored in a cool, dry well-ventilated place.

8. Exposure Controls / Personal Protection

Exposure Controls:

OSHA Permissible Exposure Limit (PEL): Petroleum distillates 500 ppm 8H TWA

Respiratory Protection:

Dust mask.

Ventilation:

For normal operation, local exhaust ventilation should suffice. Direct exhaust when dusting becomes a nuisance.

Hand protection:

Rubber or plastic gloves.

Eye Protection:

Safety glasses with side shields.

Skin and Body Protection:

Long sleeved shirt, long pants and a protective apron.

Other Precautions: Wash after handling product. Work clothes must be changed and washed before reuse. Do not smoke, eat or use alcohol while handling product.

Decontamination Facilities: Local exhaust ventilation, eye bath, safety shower.

9. Physical and Chemical Properties

Physical Form: Bead/ powder
Appearance & Odor: Beige/off-white /Characteristic Mild petroleum odor
Specific Gravity: 1.78
Softening Point, R&B: Not available.
Solubility in Water: Negligible
Flash Point, TAG CC F: 185°C
Percent Volatiles (by weight): Not available.
Evaporation Rate (Water ~ 1): Not available.
Vapor Pressure (mm Hg): Not available.
Vapor Density (Air ~ 1): Not available.
Boiling Point (°F) Initial: Not available.
Auto ignition Temperature, °C: Not available.
Flammable Limits, %(V): Not available.
Melting point: 40°C

10. Stability and Reactivity

Stability: This product is stable under normal conditions.

Incompatibility (Materials to Avoid): Strong oxidizers, acids, bases and moisture. Violent reaction with interhalogens. Incandescent reaction with phosphorous pentachloride.

Conditions to Avoid: Avoid contact with heat, sparks, flame and all sources of ignition.

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition products: Carbon oxides, Nitrogen oxides, Sulfur oxides. Heat and steam, from reaction with water or acids. Smoke, fumes and unburned hydrocarbons and trace oxides. Will react with water to produce heat.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

LD50 (oral, rat) in mg/kg: 5000

12. Ecological Information

This product does not contain any ozone depleting compounds (ODC's).

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

14. Transport Information

D.O.T. Shipping Name: Not regulated.

Air - ICAO (international Civil Aviation Organization): Not regulated.

Sea - IMDG (International Maritime Dangerous Goods): Not regulated.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

All components of this material are on the Australian Inventory of Chemical Substances (AICS).

All components of this material are on the European Inventory of Existing Chemical Substances (EINECS).

SARA Section 311/312 Hazards: Acute.

SARA Section 313: None.

California Proposition 65: This product does not contain substances known to the State of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

New Jersey RTK Label Information: Magnesium Oxide CAS No. 1309-48-4, Hydrotreated Heavy Napthenic Distillate Petroleum CAS No. 64742-52-5

Pennsylvania RTK Label Information: Magnesium Oxide CAS No. 1309-48-4, Hydrotreated Heavy Napthenic Distillate Petroleum CAS No. 64742-52-5

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.