

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BRT MMO-250

Chemical Class: Earth-like metal oxides

Supplier: Blue Ribbon Technology, Inc.
1160 Dairy Ashford, Suite 135

Product Information: (281) 870-1500

Fax: (281) 870-1503

EMERGENCY PHONE: For an emergency involving spill, leak, fire, exposure or accident call CHEMTREC:
1-800-424-9300

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name:	CAS No.	Contents:
Proprietary Ingredients	Various	100 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION: CAN CAUSE EYE, SKIN and RESPIRATORY TRACT IRRITATION. Avoid contact with eyes. Avoid breathing airborne product. Do not take internally. Wash thoroughly after handling.

This product is a white powder and a nuisance dust.

ACUTE EFFECTS:

HEALTH HAZARDS, GENERAL:

Particles may cause mechanical irritation to the eyes, nose, throat and lungs.

INHALATION: May be irritating to the respiratory tract if inhaled.

INGESTION: May cause gastric distress, and nausea if ingested.

SKIN: Slightly irritating.

EYES: Irritating to the eyes.

CHRONIC EFFECTS:

CARCINOGENICITY:

IARC: Not listed. OSHA: Not regulated. NTP: Not listed.

ROUTE OF ENTRY: Inhalation. Skin and/or eye contact

TARGET ORGANS: Respiration

4. FIRST AID MEASURES

GENERAL:	Persons seeking medical attention should carry a copy of this MSDS with them.
INHALATION:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.
INGESTION:	Drink a couple of glasses water or milk. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.
SKIN:	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.
EYES:	Promptly wash eyes with lots of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMP – (°F)	N/D
FLAMMABILITY LIMIT – LOWER (%)	N/D
FLAMMABILITY LIMIT – UPPER (%)	N/D

EXTINGUISHING MEDIA:

Carbon dioxide (CO₂), dry chemicals, and foam. Water spray, fog or mist

SPECIAL FIRE FIGHTING PROCEDURES:

Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire fighting clothing (including fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Toxic gases are formed when heated.

HAZARDOUS COMBUSTION PRODUCTS:

Irritating gases/vapors/fumes.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear proper personal protective equipment (see MSDS Section 8).

SPILL CLEAN-UP PROCEDURES:

Avoid generating and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Do not contaminate drainage or waterways. Repackage or recycle if possible.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Avoid handling causing generation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Eye wash and emergency shower must be available at the work place. Wash

hands often and change clothing when needed. Provide good ventilation. Mechanical ventilation or local exhaust ventilation is required.

STORAGE PRECAUTIONS:

Store at moderate temperatures in dry, well ventilated area. Keep in original container.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	OSHA PEL:		ACGIH TLV:		OTHER:		UNITS:
		TWA:	STEL:	TWA:	STEL:	TWA:	STEL:	
Proprietary ingredients		10		5				mg/m ³ Resp.dust

INGREDIENT COMMENTS:

This product is regulated as nuisance particulates (dust/mist/aerosol). TLV: 5 mg/m³ resp. dust; PEL: 10 mg/m³ resp. dust. Based on known component data

**PROTECTIVE EQUIPMENT:
ENGINEERING CONTROLS:**

Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

VENTILATION:

Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits.

RESPIRATORS:

Use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator.

PROTECTIVE GLOVES:

Use suitable protective gloves if risk of gross and repeated skin contact.

EYE PROTECTION: Wear dust resistant safety goggles where there is danger of gross eye contact.

PROTECTIVE CLOTHING:

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGENIC WORK PRACTICES:

Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Powder, dust.	
Color:	White.	
Odor:	Odorless or no characteristic odor.	
Solubility Description:	Slight.	
Bulk Density:	32 - 38 lb/cu.ft.	
Vapor Density (air=1)	N/A	
Vapor Pressure:	N/A	Temperature (°F).
pH-Value, Dilute Solution	10.5 - 11.0	Concentration (%M): 1%

10. STABILITY AND REACTIVITY

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Keep away from humidity.
HAZARDOUS POLYMERIZATION:	Will not polymerize.
POLYMERIZATION DESCRIPTION:	Not applicable.

MATERIALS TO AVOID:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	No specific hazardous decomposition products noted.

11. TOXICOLOGY INFORMATION

TOXICOLOGY INFORMATION:
No toxicology data is available for this product. Single dose oral toxicity is believed to be low.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:
No ecological information is available for this product.

13. DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT:
This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous. Empty containers retain residues. All labeled precautions must be observed.

DISPOSAL METHODS:
Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill.

14. TRANSPORT INFORMATION

U.S. DOT:	Not regulated
CANADIAN TRANSPORT:	Not regulated
IMDG/IMO:	Not regulated
ICAO/IATA:	Not regulated

15. REGULATORY INFORMATION

REGULATORY STATUS OF INGREDIENTS

NAME	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313	DSL (CAN):
Proprietary Ingredients		Yes	No	No	No	Yes

US FEDERAL REGULATIONS: WASTE CLASSIFICATION:

Not a hazardous waste by U.S. RCRA criteria. See Section 13.

REGULATORY STATUS:

This product or its components, if a mixture, is subjected to following regulations (not meant to be all inclusive- selected regulations represented):

SECTION 313: This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA 311 Categories:

1: Immediate (Acute) Health Effects.

The components of this product are listed on or are exempt from the following international chemical registries:

TSCA (US)
DSL (Canada)
EINECS (Europe)
AICS (Australia)

STATE REGULATIONS:

STATE REGULATORY STATUS:

This product or its compounds, if a mixture, is subject to the following regulations (Not meant to be all inclusive – selected regulations represented):

PROPOSITION 65: This product does not contain chemicals considered by the state of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required.

CANADIAN REGULATIONS: LABELS FOR SUPPLY:

REGULATORY STATUS:

This Safety Data Sheet has been prepared in compliance with the Controlled Product Regulations.

16. OTHER INFORMATION

NPCA HMIS HAZARD INDEX:

1 Slight Hazard

FLAMMABILITY:

0 Slight Hazard

REACTIVITY:

0 Minimal Hazard

NPCA HMIS PERS. PROT. INDEX:

E – Safety Glasses, Gloves, Dust Respirator

USER NOTES:

N/A = Not applicable N/D = Not determined

INFORMATION SOURCES:

OSHA Permissible Exposure Limits, 29 CFR 1910, Subpart Z, Section 1910.1000, Air Contaminants.

ACGIH Threshold Limit Values and Biological Exposure Indices for Chemical Substances and Physical Agents (latest edition).



Sax's Dangerous Properties of Industrial Materials, 9th ed., Lewis, R.J. Sr., (ed.),
VNR, New York, New York, (1997)
Product information was provided by the commercial vendor(s).

DATE: March 2, 2008

DISCLAIMER:

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