

MATERIAL SAFETY DATA SHEET

MSDS Number GAHA
MSDS Date 09/02/98
Spads Date 08/28/96
Page Number 1 of 5

SECTION I - Product and Company Information

Product Name **BDT 200 REPLENISHER**

HMIS Hazard Rating Health: 2 Fire: 0 Reactivity: 0

Company Identification ENTHONE-OMI INC.
P.O. Box 1900
New Haven CT 06508

Contact Regulatory Affairs
Telephone/Fax (203) 934-8611 / (203) 799-8179
Emergency CHEMTREC
(800) 424-9300

Preparer James P. Link
Regulatory Consultant

BDT is a registered trademark of Enthone-OMI Inc.

SECTION II - Ingredient and Hazard Information

Ingredient Name	CAS Number	Percent	TSCA
WATER	7732-18-5	< 90.0	Y
SODIUM GOLD SULFITE	19153-98-1	< 15.0	Y

All ingredients comply with applicable rules or orders under TSCA.

Weight percents listed above are within 5% of the actual value.

Carcinogen:

Not listed by NTP, IARC, OSHA.

Reference:

NA

SECTION III - Hazards Identification

Inhalation:

Mist or vapor may irritate respiratory tract and may cause allergic reaction in persons sensitive to sulfites.

Skin Contact:

Can cause severe irritation.

Enthone-OMI Inc.
a subsidiary of ASARCO
www.enthone-omi.com

Printed on Recycled Paper

MATERIAL SAFETY DATA SHEET

MSDS Number GMDA
MSDS Date 09/02/98
Spsds Date 08/28/96
Page Number 2 of 5

Eye Contact:

Can cause severe irritation, damage to eyes.

Ingestion:

Can cause severe irritation to mouth, throat, esophagus, and stomach.
May cause diarrhea.

Chronic:

Chronic exposure effects not established.

May result in allergic reaction in persons sensitive to sulfites.

SECTION IV - First Aid Measures

Skin Contact:

Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and footwear. Wash clothing before reuse. Discard footwear if it cannot be decontaminated. If irritation continues, seek medical attention.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes holding lids apart to ensure flushing of entire surface. Washing eyes within several seconds of exposure is essential to minimize damage. Seek immediate medical attention.

Ingestion:

Never give anything by mouth to an unconscious person, obtain immediate medical attention. If vomiting occurs spontaneously, keep airway clear. If swallowed DO NOT INDUCE VOMITING, give large amounts of water.

Seek immediate medical attention.

Inhalation:

Remove person from contaminated area. If breathing has stopped, resuscitate and administer oxygen if available.

Seek immediate medical attention.

SECTION V - Fire-Fighting Measures

Flash Point > 200.0°F
GCC - General Closed Cup

Special Fire-Fighting Procedures:

Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when potential for exposure to vapors or products of combustion exists.

Unusual Fire-Fighting Hazards:

Thermal decomposition may yield toxic sulfur oxides.

Extinguishing Media:

This product is not combustible.

As appropriate for surrounding fire.

Enthone-OMI Inc.

a subsidiary of ASARCO
www.enthone-omi.com

Printed on Recycled Paper

MATERIAL SAFETY DATA SHEET

MSDS Number GAHA
MSDS Date 09/02/98
Spads Date 08/28/96
Page Number 3 of 5

SECTION VI - Accidental Release Measures

Avoid contact with skin, eyes and clothing. Wear protective equipment (see Section VIII). Do not breathe mist or vapors. Contain spill and soak up in suitable absorbent. Shovel up into plastic-lined steel containers and cover. Send to refinery for recovery of precious metal.

SECTION VII - Handling and Storage

Store in a cool, dry place. Keep away from acids. Loosen cover cautiously when opening.
Additional Information:
Wash thoroughly after handling. Store above freezing temperature.
Work/Hygienic Practices:
Do not consume, handle or store food, beverages or tobacco in areas where this product is present. Emergency eye wash and safety shower should be available. Wash thoroughly after handling.

SECTION VIII - Exposure Controls and Personal Protection

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
WATER	NA	NA	NA	NA	NA
SODIUM GOLD SULFITE	NA	NA	NA	NA	NA

Respirator:

Use NIOSH approved respirator when air concentration is greater than the TLV or PEL.

Use cartridge filter for alkaline mist.

Eye Protection:

Safety glasses recommended.

Chemical safety goggles recommended.

Protective Clothing or Equipment:

Wear full protective work clothing.

Neoprene gloves.

Butyl rubber gloves

Ventilation:

Local exhaust recommended.

SECTION IX - Physical and Chemical Properties

Enthone-OMI Inc.

a subsidiary of ASARCO
www.enthone-omi.com

Printed on Recycled Paper

MATERIAL SAFETY DATA SHEET

MSDS Number GAHA
MSDS Date 09/02/98
Spsds Date 08/28/96
Page Number 4 of 5

Form	Liquid
Color	Clear, Colorless
Odor	None
Solubility	Complete
pH Value	9.0 - 10.2
Boiling Point	215.0°F
Vapour Pressure (mmHg)	Not Available
Melting Point	26.0°F
Evaporation Rate	Unavailable
% Volatile By Weight	Not Applicable
Specific Gravity	1.25

SECTION X - Stability and Reactivity

Stability:

Stable under normal conditions. See Incompatibility Information.

Incompatibility (Materials to Avoid):

Acids, aluminum, zinc

Hazardous Decomposition Products:

In a fire: toxic sulfur oxides.

Hazardous Polymerization:

Hazardous polymerization will not occur.

Conditions to Avoid:

NA

SECTION XI - Toxicological Information

Route

Species

Exposure and Dose

None

SECTION XII - Ecological Information

Ecological information on this product is not available.

SECTION XIII - Disposal Considerations

For waste disposal of spent, spilled, or contaminated product contact a permitted TSDF (Treatment, Storage and Disposal Facility). Dispose of in accordance with all applicable Local, State, and Federal regulations.

SECTION XIV - Transport Information

Enthone-OMI Inc.

a subsidiary of ASARCO
www.enthone-omi.com

Printed on Recycled Paper

MATERIAL SAFETY DATA SHEET

MSDS Number GAHA
MSDS Date 09/02/98
Spsds Date 08/28/96
Page Number 5 of 5

Please contact the Regulatory Affairs Department at (203) 799-4917 for the most current shipping information.

SECTION XV - Regulatory Information
None

SECTION XVI - Other Information

This product does not contain any chemicals subject to the reporting requirements of SARA, TITLE III, Section 313 (40CFR372) or known to the State of California to cause cancer or birth defects (to comply with California Statute [Section 25249.6]).

Disclaimer:

This Material Safety Data Sheet may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Enthone-OMI Inc. furnishes the data contained herein in good faith at customer's request without liability or legal responsibility for same whatsoever, and no warranty or guarantee, express or implied, is made with respect to such data; nor does Enthone-OMI Inc. grant permission, recommendation, or inducement to infringe any patent whether owned by Enthone-OMI Inc. or others. The data is offered solely for your information and consideration. Since conditions of use are beyond Enthone-OMI's control, user assumes all responsibility and risk.

CAS=Chemical Abstract Service
IARC=International Agency for Research on Cancer
NA=Not Applicable
NI=No Relevant Information Available
NTP=National Toxicology Program
PEL=Permissible Exposure Limit
SDT=Standard Draize Test
STEL=Short Term Exposure Limit
TLV=ACGIH Threshold Limit Value
TLV-C=ACGIH Threshold Limit Value, Ceiling
TRADE SECRET=Claimed As Allowed Under 29 CFR 1910.1200

Enthone-OMI Inc.
a subsidiary of ASARCO
www.enthone-omi.com

Printed on Recycled Paper