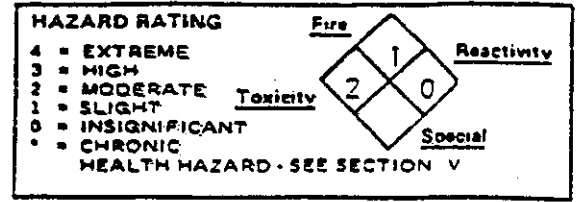


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IN FIRE CONDITIONS: NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



For sales offices or product literature, Call Toll Free: 800-321-1004
FOR MEDICAL EMERGENCY, CALL COLLECT (216) 835-7233

MATERIAL SAFETY DATA SHEET

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PURCHASING DEPT.

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME: MOGUL EG-5307
CHEMICAL NAME: Catalyzed Sulfites Mixture
CHEMICAL FAMILY: Industrial Boiler Water Additive

SECTION II: HAZARDOUS INGREDIENTS

Material	CAS #	%	TLV	PEL
Sodium bisulfite	7531-90-5	10-20	5 mg/m ³	Not Estab.
Sodium sulfite	7757-83-7	10-20	Not Estab.	Not Estab.
Potassium hydroxide	1310-58-3	1-5	2 mg/m ³ C	Not Estab.

SECTION III: PHYSICAL DATA

Boiling Point (°F): Like water
 Vapor Pressure (mm Hg.): Like Water
 Vapor Density (air = 1): Like water
 Solubility in Water: Complete
 Density: Not applicable (NA)
 Appearance and Odor: Clear amber liquid, mild odor

Specific Gravity: 1.287
 Percent Volatile by Volume (%): approx. 70
 Evap. Rate (water = 1): Like water
 pH: 7.0
 pH (1% soln): 7.2

SECTION IV: FIRE PROTECTION INFORMATION

Flash Point (method used): None
 Flammable Limits: None
 Extinguishing Media: Water, CO₂, dry chemical, foam
 Special Fire-Fighting Procedures: Keep drums, exposed to fire, cool with water.
 Unusual Fire and Explosion Hazards: Sulfur dioxide may be produced.

National Fire Protection Association (NFPA) Rating (in fire conditions):
 Toxicity: 2 Fire: 1 Reactivity: 0 Special: 0

SECTION V: HEALTH HAZARD INFORMATION

Acute effects of exposure:

WARNING! IRRITANT! May irritate eyes, skin, and mucous membranes.

Chronic effects of exposure:

No known chronic health effects.

Emergency and First Aid Procedures:

Skin: Flush with water, then wash thoroughly with soap and water.

Eyes: Flush with water for 15 minutes and get medical attention if an irritation persists.

Ingestion: Drink plenty of water, and call collect (216) 835-7233 or consult physician immediately. Avoid alcoholic beverages.

FOR 24 HOUR EMERGENCY MEDICAL INFORMATION CALL COLLECT (216) 835-7233 (TEL-SAFE).

MATERIAL SAFETY DATA SHEET (Page 3 of 4)

SECTION VI: REACTIVITY DATA

Stable: Yes No. Hazardous Polymerization: Yes No

Conditions to Avoid:

None

REACT WITH WATER, STEAM, OR ACIDS
TO FORM TOXICS OR CORROSIVES.

Materials to Avoid:

None

Hazardous Decomposition Products:

Thermal decomposition may produce sulfur dioxide.

SECTION VII: SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL

Spill or Leak Procedures:

Contain spill if possible. Flush to sanitary sewer or use absorbent such as clay, sawdust, or sand to soak up and shovel into waste disposal container.

Waste Disposal:

Not a RCRA hazardous waste. Dispose in accordance with local, state, and federal requirements.

SECTION VIII: OCCUPATIONAL PROTECTIVE EQUIPMENT

Eye: Chemical safety glasses or goggles recommended.
Respiratory: Not required for normal conditions of use.
Skin: Rubber gloves recommended.
Local Exhaust: Recommended in confined spaces.
Other: None

SECTION IX: PRECAUTIONARY MEASURES

Avoid skin and eye contact. DO NOT TAKE INTERNALLY. Keep container closed when not in use. Wash thoroughly after handling and before eating, drinking, or smoking.
Avoid inhaling vapors or mists.

Refer to "Mogul Material Safety Data Sheet Glossary of Terms" for additional information.

SECTION X: SHIPPING INFORMATION

DOT Labels(s): NA
DOT Proper Shipping Name: NA
DOT Hazard Class/I.D. No: NA
U.S. Surface Freight Classification: Compounds, Boiler Preserving, Liquid
Hazard Substance(s)/Reportable Quantities: Sodium bisulfite/5,000 lbs.
Potassium hydroxide/1,000 lbs.

SECTION XI: ADDITIONAL INFORMATION

FDA: Conforms with 21CFR173.310 for use in boilers producing steam that contacts food.
USDA: None
EPA: Ingredients reported to TSCA Inventory.
Aquatic Toxicity: Not tested

Date: 10/85

Supersedes 2/84
EG-5307

For additional non-emergency information:

Director of Safety
Mogul Division
Chagrin Falls, OH 44022
(216) 247-5000