



Date Issued: **February 23, 2011**

Supersedes Date: **November 20, 2008**

MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
Product Name	Bactericide			
Product Code (Catalog Number)	Oxy-Brite			
Product Category (Chemical Name)	Potassium Peroxymonosulfate			
Product Appearance and Odor	White powder, halogen odor			
Emergency Notification	Chem-Tel 1-800-255-3924			
COMPONENTS AND HAZARD INFORMATION				
Component	CAS No.	%	OSHA TWA	OSHA STEL
Potassium Peroxymonosulfate	70693-62-8	45.2	NA	NA
PHYSICAL DATA				
THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.				
Boiling Range NA	Specific Gravity NL	Molecular Weight NL	Viscosity NA	
Percent Volatile by Volume NA	Vapor Pressure @20 C degrees NL	Vapor Density (Air = 1) NL	Pour, Congealing or Melting Point NA	
Solubility in Water @1 ATM and 25°C (77°F) Moderate	Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1) NA		pH NL	
FIRE AND EXPLOSION HAZARD INFORMATION				
Flash Point (Minimum) NA	Autoignition Temperature NA	Test Mode NL	LEL NA	UEL NA
Handling Precautions Rubber gloves, glasses with side shield, adequate mechanical ventilation.				
Flammable or Explosive Limits (Approximate Percent by Volume in Air) NL				

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Extinguishing Media Water
Fire Fighting Procedures Approved self-contained breathing apparatus.
Decomposition Products Under Fire Condition Hydrogen bromide, bromine gas, oxygen gas.
“Empty” Container Warning NE
Unusual Fire and Explosion Hazards Contamination with organic matter, acids or ammonia may generate fumes leading to fire or explosion. Storage of large amounts of Potassium Peroxymonosulfate can trap heat and lead to ignition of combustible materials.
HEALTH AND HAZARD INFORMATION
Variability Among Individuals NE
Signs and symptoms of overexposure NL
Effects of Overexposure NE
Nature of Hazard and Toxicity Information NL
Pre-existing Medical Conditions which may be Aggravated by Exposure NE
Threshold Limit Value NE
Health Hazards Inhalation: Avoid breathing dust. Eye: Corrosive will burn eyes.
PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES
Eye Contact Corrosive. Flush with water for at least 15 minutes. Contact physician.
Skin Brush off with excess water for at least 15 minutes.
Inhalation Avoid breathing. If inhaled remove victim to a fresh air and seek medical attention if necessary.
Ingestion Avoid swallowing. If swallowed, feed bread soaked in milk, followed by olive oil or cooking oil.
SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.

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REACTIVITY

Stability Stable under normal handling and storage conditions.	Incompatibility Avoid acids, organic materials, ammonia bearing compounds and strong reducing agents.	Hazardous Decomposition Products None
Conditions to Avoid Poorly ventilated areas, direct sun light.	Hazardous Polymerization Will not occur.	Materials to Avoid Acids, organic material, ammonia bearing compounds, reducing agents.

ENVIRONMENTAL INFORMATION

Steps to be Taken in Case Material is Released or Spilled

Sweep up and place in a clean, dry plastic or plastic lined container for disposal, wash areas with large amounts of water.

Disposal

Incinerate or dissolve in water and neutralize. Follow all local, state and federal waste disposal laws.

Protective Gear

Rubber or vinyl gloves, safety glasses with side shield. If TLV is exceeded a NIOSH/MSHA approved air supplied respirator is recommended.

Precautions to be taken in handling and storage

Avoid inhaling dust. Store in a dry cool well ventilated area. Out of the reach of children.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.

Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)

NE

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)

NE

Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)

NE

Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)

NE

PROTECTION AND PRECAUTIONS

Ventilation

Provide adequate mechanical ventilation to maintain exposure below TLV(s).

Respiratory Protection

If TLV is exceeded a NIOSH/MSHA approved air supplied respirator is recommended.

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Protective Gloves Rubber or vinyl
Eye Protection Safety glasses with side shield.
Other Protective Equipment Rubber or vinyl apron. If TLV is exceeded a NIOSH/MSHA approved air supplied respirator is recommended.
TRANSPORTATION AND OSHA RELATED LABEL INFORMATION
Transportation Incident Information NL
U.S. DOT Hazardous Materials Shipping Description NL
OSHA Required Label Information NL

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