

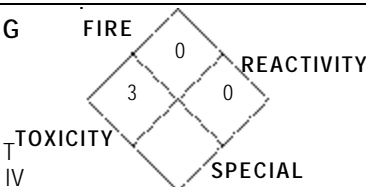


**KLEENCO**  
FOR QUALITY, VALUE AND PERFORMANCE

KLEENCO PRODUCTS, INC.  
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TELEPHONE NUMBER  
Reg. Phone  
206-641-8888  
For Emergency Assistance  
Call Infotrac (800) 535-5053

**HAZARD RATING**  
4 = EXTREME  
3 = HIGH  
2 = MODERATE  
1 = SLIGHT  
0 = INSIGNIFICANT  
\* = SEE SECTION IV



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME <b>OXYBRITE "30"</b>	DATE ISSUED 04-22-93	CODE	DOT HAZARD
	PREPARED BY Dale R. Silbaugh	026-0175	Not Regulated
FORMULA Proprietary	CHEMICAL NAMES AND OR SYNONYMS Powdered Cleaning Compound		

## I-COMPOSITIONAL INFORMATION/SARA III INFORMATION

INGREDIENTS	CAS NUMBER	OCCUPATION EXPOSURE OSHA PEL	EXPOUSURE ACGIH TLV	LIMITS OTHER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
Sodium Metaborate Peroxyhydrate  RD = Respirable dust T.D. = Total Dust	10486-00-7	5 mg/m3 (RD) 15 (T.D.)	None	5 mg/m3 Dupont	Not Applicable	

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and 40 CFR 342. **NOTE:** The precise composition of this mixture is proprietary. A more complete description will be provided to a physician in the event of a medical emergency.

## II - PHYSICAL PROPERTY INFORMATION

APPEARANCE and ODOR Free flowing, dry white/yellow powder			
MELTING POINT Not Applicable	BOILING POINT Not Applicable	COATING V.O.C. Not Applicable	EVAPORATION RATE Slower than ether
SOLUBILITY IN WATER Dispersable	SPECIFIC GRAVITY (Water = 1) 1.1	VAPOR DENSITY Not Applicable	

## III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT Not Applicable	AUTO IGNITION TEMPERATURE Not Available	LOWER EXPLOSION LIMIT (%) Not Applicable	UPPER EXPLOSION LIMIT (%) Not Applicable
EXTINGUISHING MEDIA <input checked="" type="checkbox"/> FOAM <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> DRY CHEMICAL <input checked="" type="checkbox"/> WATER SPRAY <input type="checkbox"/> OTHER			
SPECIAL FIRE FIGHTING PROCEDURES For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire MSDS.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Decomposes with liberation of heat and oxygen which may intensify fire in combustible surrounding.			

## IV - HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE Not Established	ROUTE(S) OF ENTRY: <input checked="" type="checkbox"/> INHALATION See Health Hazards	<input checked="" type="checkbox"/> SKIN See Health Hazards	<input checked="" type="checkbox"/> INGESTION See Health Hazards
HEALTH HAZARDS (Acute and Chronic) CHRONIC EFFECTS OF EXPOSURE: Repeated exposure may lead to irritation and/or sensitivity of the skin. OTHER EFFECTS OF OVEREXPOSURE: Concentrated solutions in contact with skin and eyes may cause chemical burns. *See Section IX.			
CARCINOGENICITY: Not considered to be a carcinogen <input type="checkbox"/> NTP <input type="checkbox"/> IARC Monographs <input checked="" type="checkbox"/> OSHA Regulated			
SIGNS AND SYMPTOMS OF EXPOSURE INHALATION: May be irritating to the nose, throat and respiratory tract. EYE CONTACT: Causes eye irritation. SKIN CONTACT: May cause skin irritation, seen as redness and swelling. In presence of moisture or sweat, may cause more severe irritation, including burns, following prolonged contact. SKIN ABSORPTION: Skin absorption through intact skin is likely to be negligible. SWALLOWING: May cause burns of the mouth, throat, esophagus and stomach. May cause nausea, vomiting, and diarrhea if large quantities are ingested.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Skin irritation may be aggravated in persons with existing skin lesions. Breathing of dust may aggravate acute or chronic asthma and other chronic pulmonary disease.			
EMERGENCY AND FIRST AID PROCEDURES EYES: If this chemical contacts the eyes, immediately wash the eyes with large amounts of water and continue flushing for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. SKIN: If this chemical contacts the skin, flush the contaminated skin with water promptly. If this chemical penetrates the clothing, immediately remove the clothing and flush the skin with water promptly. If irritation persists after washing, get medical attention. INHALATION: If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. If breathing has stopped, perform mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Get medical attention as soon as possible. INGESTION: If this chemical has been swallowed, get medical attention immediately.			

## V - REACTIVITY INFORMATION

<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID None
HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide is evolved at very high temperatures (1000°C, 1832°F.) or when mixed with acids. Gradual decomposition can occur, releasing controlled amounts of oxygen; not considered hazardous under foreseeable circumstances.		
HAZARDOUS POLYMERIZATION	<input type="checkbox"/> MAY OCCUR	<input checked="" type="checkbox"/> WILL NOT OCCUR
CONDITIONS TO AVOID Open flames, welding arcs, or other high temperature sources which may induce thermal decomposition. Hygroscopic; protect from moisture.		
INCOMPATIBILITY (Materials to avoid) Reacts with strong acids. Can react violently with A1, P205, F2, Li and 2,4,6-Trinitrotoluene (Ref. 1). This material upon contact with certain food products or their residues which contain reducing sugars, may react to form deadly carbon monoxide gas. Avoid mixtures containing heavy metal salts, combustible organic matter, or moisture.		

## VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Stop the source of leak or release. Clean up releases as soon as possible, observing precautions in Special Protective Information. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.	
WASTE DISPOSAL METHODS	
Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental authorities for approved disposal of this material.	

## VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE	
Local mechanical exhaust ventilation, capable of maintaining emissions at the point of use below the PEL.	
RESPIRATORY PROTECTION	
If use conditions generate dusts, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a full facepiece or a half mask air-purifying cartridge respirator with particulate filters, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator.	
PROTECTIVE GLOVES	EYE PROTECTION
Impervious	Wear eye protection to prevent any possibility of eye contact.
OTHER PROTECTIVE EQUIPMENT	
Wear appropriate equipment to prevent any possibility of skin contact.	

## VIII - STORAGE AND HANDLING INFORMATION

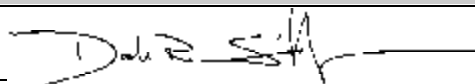
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	
Keep out of reach of children. Store in a cool dry place away from incompatible materials. Keep container tightly closed when not in use. Workers should wash immediately when skin becomes contaminated and at the end of each work shift. The following equipment should be available: Eyewash. Quick drench. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of the injury.	
OTHER PRECAUTIONS	
Read and follow label instructions. The label contains information necessary for the proper use of the product. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.	

## IX - TOXICITY INFORMATION

*HEALTH HAZARDS for Sodium Metaborate Peroxyhydrate: INHALATION: None currently known. EYE CONTACT: Causes eye burn. SKIN CONTACT: No irritation is likely after brief contact but may be irritating after prolonged contact. SWALLOWING: None currently known. CHRONIC EFFECTS OF EXPOSURE: May cause inflammation and irritation of the eyes, skin and mucous membrane. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None reported. CARCINOGENICITY: This material is not considered to be a carcinogen by the National toxicology program, the international agency for research on cancer, or the occupational safety and health administration.	
Oral Toxicity .....	Rats LD50 = 1.9 G/KG
Dermal Toxicity .....	Rabbits LD50 = 2 G/KG
Inhalation Toxicity .....	No Data Found.

## X - MISCELLANEOUS INFORMATION

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and the removal of the material from eyes, skin and clothing.
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PRODUCT CODE	NA = NOT AVAILABLE	DATE OF ISSUE	SUPERSEDES	SIGNED
026-0175		04-22-93	Any previous MSDS	

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