

Material Safety Data Sheet

OSPHO METAL TREATMENT

QUICK IDENTIFIER
Common Name (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standards must be consulted for specific requirements.

SECTION 1 -

Manufacturer's Name THE SKYBRYTE COMPANY		Emergency Telephone No 800-424-9300 (CHEMTREC)
Address 3125 PERKINS AVENUE		Other Information Calls 703-527-3887 (CHEMTREC DIRECT) 216-771-1590 (SKYCO)
City, State, and ZIP CLEVELAND, OHIO 44114		Date Prepared MARCH 26, 2007
Signature of Person Responsible for Preparation (Optional) S. L. PITCHER		

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO
PHOSPHORIC ACID SOLUTION (75%)	1 mg/m³	1 mg/m³	3 mg/m³ STEL	45.0%	7664-38-

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372) :

VOC = 0%

CHEMICAL NAME:	% BY WIEGHT	DOT Hazard: Class 8
PHOSPHORIC ACID SOLUTION (75%)	CAS# 7664-38-2 45.0%	UN# 1805 PG III

All ingredients of this product are listed in compliance with Section 15 of the Toxic Substance Control Act (T.S.C.A.)
This information should be included in all MSDS sheets that are distributed.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	240F	Specific Gravity (H ₂ O=1)	1.22+/- .04	Vapor Pressure (mm Hg)	UNK
	Vapor Density (Air = 1)	N/A			
Solubility in Water	100%	pH < 2 (strong acid)	Reactivity in Water	NONE	
Appearance and Odor	GREEN LIQUID WITH TYPICAL ACIDIC ODOR		Melting Point	N/A	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	N/A	Method Used	NON-FLAMMABLE	Flammable Limits in Air % by Volume	N/A	LEL Lower	N/A	UFL Upper	N/A
Auto-Ignition Temperature	N/A	Extinguisher Media	N/A						
Special Fire Fighting Procedures	N/A								

Unusual Fire and Explosion Hazards
MAY DECOMPOSE TO RELEASE OXYGEN AROUND 400C (750F). WILL PRODUCE IRRITATING PHOSPHORIC OXIDE FUMES UNDER FIRE CONDITIONS.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Stable Conditions to Avoid **AVOID CONTACT WITH STRONG ALKALIES**

Incompatibility (Materials to Avoid) **REACTION WITH METALS WILL LIBERATE HYDROGEN GAS. (EXTREMELY FLAMMABLE!)**

Hazardous Decomposition Products **PHOSPHORIC ACID FUMES. (STRONG IRRITANT)**

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid **AVOID CONTACT WITH STRONG ALKALIES. (WILL PRODUCE VIOLENT ACID/BASE NEUTRALIZATION REACTION.)**

SECTION 6 - HEALTH HAZARDS

1 Acute **STRONG IRRITANT - SLIGHTLY TOXIC** 2 Chronic **SLIGHTLY TOXIC - CAUSES BURNS TO EXPOSED TISSUE**

Signs and Symptoms of Exposure **LIQUID IS CORROSIVE TO EYES AND SKIN, MIST PRODUCES IRRITATION TO EYES, THROAT, AND LUNGS.**

Medical Conditions Generally Aggravated by Exposure **EMPHYSEMA, ASTHMA OR OTHER CONDITIONS RESULTING IN DECREASED RESPIRATORY FUNCTION.**

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes No IARC Monographs Yes No OSHA Yes No

Emergency and First Aid Procedures **CALL A PHYSICIAN IMMEDIATELY, INGESTION - GIVE LARGE QUANTITIES OF WATER. " DO NOT INDUCE VOMITING" SKIN AND EYES - FLUSH WITH WATER**

ROUTES OF ENTRY

1 Inhalation	YES
2 Eyes	YES
3 Skin	YES
4 Ingestion	PRIMARY HAZARD

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage **USE GOGGLES AND/OR FACE SHIELDS, RUBBER APRONS, GLOVES AND BOOTS WHERE SPLASHING OR LIQUID CONTACT MAY BE EXPECTED.**

Other Precautions **AIRBORNE MIST - USE NIOSH/MSHA ACID GAS RESPIRATOR WITH FULL FACE PIECE. KEEP STORED IN SUITABLE CONTAINER.**

Steps to be Taken in Case Material is Released or Spilled **WEAR SUITABLE PROTECTIVE CLOTHING. EYE PROTECTION, AND RESPIRATOR NEUTRALIZE WITH SODA ASH AND FLUSH THE AREA WITH LARGE AMOUNTS OF WATER.**

Waste Disposal Methods (Consult federal, state, and local regulations): **NEUTRALIZE WITH SODA ASH OR LIME AND DISCHARGE INTO A TREATMENT SYSTEM IN ACCORDANCE WITH LOCAL REGULATIONS.**

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) **NIOSH/MSHA ACID GAS WITH FULL FACE PIECE.**

Ventilation	Local Exhaust ADEQUATE TO MEET PEL	Mechanical (General) N/A	Special N/A	Other N/A
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Protective Gloves **ACID RESISTANT** Eye Protection **CHEMICAL GOGGLES**

Other Protective Clothing or Equipment **RUBBER APRON AND BOOTS AS NECESSARY.**

Work/Hygiene Practices **STORE AND HANDLE AS STRONG ACID. WASH BEFORE EATING OR DRINKING.**

IMPORTANT
Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.