

SKYBRYTE THE -- OSPHO METAL TREATMENT

MATERIAL SAFETY DATA SHEET

NSN: 685000D002725

Manufacturer's CAGE: 6M876

Part No. Indicator: B

Part Number/Trade Name: OSPHO METAL TREATMENT

## General Information

Item Name: /

Company's Name: SKYBRYTE CO THE

Company's Street: 3125 PERKINS AVE

Company's City: CLEVELAND

Company's State: OH

Company's Country: US

Company's Zip Code: 44114

Company's Emerg Ph #: 216-432-2426

Company's Info Ph #: 216-771-1590

Record No. For Safety Entry: 003

Tot Safety Entries This Stk#: 003

Status: SE

Date MSDS Prepared: 03DEC92

Safety Data Review Date: 21MAR95

Supply Item Manager: CX

MSDS Preparer's Name: STEPHEN L. PITCHER

MSDS Serial Number: BSDVF

Specification Number: UNKNOWN

Spec Type, Grade, Class: UNKNOWN

Hazard Characteristic Code: C1

Unit Of Issue Container Qty: UNKNOWN

Type Of Container: UNKNOWN

Net Unit Weight: UNKNOWN

NRC/State License Number: NOT RELEVANT

## Ingredients/Identity Information

Proprietary: NO

Ingredient: PHOSPHORIC ACID (SARA III)

Ingredient Sequence Number: 01

Percent: 45

NIOSH (RTECS) Number: TB6300000

CAS Number: 7664-38-2

OSHA PEL: 1 MG/M3

ACGIH TLV: 1 MG/M3/3 STEL; 9394

Other Recommended Limit: NONE RECOMMENDED

## Physical/Chemical Characteristics

Appearance And Odor: GREEN LIQUID WITH TYPICAL ACIDIC ODOR

Boiling Point: 240F, 116C

Melting Point: UNKNOWN

Vapor Pressure (MM Hg/70 F): UNKNOWN

Vapor Density (Air=1): UNKNOWN

Specific Gravity: 1.18 - 1.26

Decomposition Temperature: UNKNOWN

Evaporation Rate And Ref: &lt;1 (N-BUTYL ACETATE=1)

Solubility In Water: 100%

Corrosion Rate (IPY): UNKNOWN

## Fire and Explosion Hazard Data

Flash Point: NOT FLAMMABLE  
Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Special Fire Fighting Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.  
Unusual Fire And Expl Hazrds: MAY DECOMPOSE TO RELEASE OXYGEN AROUND 400C (750F). WILL PRODUCE IRRITATING PHOSPHORIC OXIDE FUMES UNDER FIRE CONDITIONS.

#### Reactivity Data

Stability: YES  
Cond To Avoid (Stability): NOT APPLICABLE  
Materials To Avoid: REACTION WITH METALS WILL LIBERATE HYDROGEN GAS (EXTREMELY FLAMMABLE).  
Hazardous Decomp Products: PHOSPHORIC OXIDE FUMES (IRRITANT).  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): AVOID CONTACT WITH STRONG ALKALIES OR WITH METALS.

#### Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL RAT) IS 1530 MG/KG  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: ACUTE: IRRITANT, SLIGHTLY TOXIC WHEN INHALES/INGESTED. CHRONIC: SLIGHTLY TOXIC-CAUSES BURNS TO EXPOSED TISSUE.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Signs/Symptoms Of Overexp: LIQUID IS CORROSIVE TO EYES AND SKIN. MIST PRODUCES IRRITATION TO EYES, NOSE, THROAT AND LUNGS.  
Med Cond Aggravated By Exp: EMPHYSEMA, ASTHMA OR OTHER CONDITIONS RESULTING IN DECREASED RESPIRATORY FUNCTION.  
Emergency/First Aid Proc: CALL A PHYSICIAN IMMEDIATELY. INGESTION-GIVE LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. SKIN & EYE-FLUSH WITH WATER.

#### Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR SUITABLE PROTECTIVE CLOTHING, EYE PROTECTION & RESPIRATOR. NEUTRALIZE WITH SODA ASH AND FLUSH THE AREA WITH LARGE AMOUNTS OF WATER.  
Neutralizing Agent: SODA ASH.  
Waste Disposal Method: NEUTRALIZE WITH SODA ASH OR LIME AND DISCHARGE INTO A TREATMENT SYSTEM IN ACCORDANCE WITH LOCAL REGULATIONS.  
Precautions-Handling/Storing: STORE IN SUITABLE CONTAINER.  
Other Precautions: SUITABLE CONTAINERS ARE GLASS, POLYETHYLENE LINED DRUMS, FIBERGLAS, ETC. STORE ONLY IN APPROVED TYPE CONTAINERS. AVOID ROUGH HANDLING OF DRUMS. VENT DRUMS WEEKLY. DO NOT SMOKE IN STORAGE OR USE AREA.

#### Control Measures

Respiratory Protection: ACID GAS WITH FULL FACE PIECE.  
Ventilation: PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.  
Protective Gloves: NEOPRENE OR RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES/FACE SHIELD  
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, FOOTWARE, AND APRON (RUBBER).  
Work Hygienic Practices: STORE AND HANDLE AS STRONG ACID. WASH BEFORE  
EATING OR DRINKING.  
Suppl. Safety & Health Data: STRONG ACID: DO NOT GET ON SKIN, IN EYES OR  
ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS. WASH HANDS AND FACE AFTER USE.  
KEEP CONTAINER CLOSED WHEN NOT IN USE.

---

---

Transportation Data

---

---

Trans Data Review Date: 93352  
DOT PSN Code: DWC  
DOT Proper Shipping Name: CORROSIVE LIQUIDS, N.O.S.  
DOT Class: 8  
DOT ID Number: UN1760  
DOT Pack Group: I  
DOT Label: CORROSIVE  
IMO PSN Code: ESH  
IMO Proper Shipping Name: CORROSIVE LIQUID, N.O.S. o  
IMO Regulations Page Number: 8147  
IMO UN Number: 1760  
IMO UN Class: 8  
IMO Subsidiary Risk Label: -  
IATA PSN Code: HKM  
IATA UN ID Number: 1760  
IATA Proper Shipping Name: CORROSIVE LIQUID, N.O.S. \*  
IATA UN Class: 8  
IATA Label: CORROSIVE  
AFI PSN Code: HKM  
AFI Prop. Shipping Name: CORROSIVE LIQUID, N.O.S.  
AFI Class: 8  
AFI ID Number: UN1760  
AFI Pack Group: I  
AFI Special Prov: A7  
AFI Basic Pac Ref: 12-4  
N.O.S. Shipping Name: CONTAINS PHOSPHORIC ACID, 45%

---

---

Disposal Data

---

---

---

---

Label Data

---

---

Label Required: YES  
Technical Review Date: 18DEC93  
MFR Label Number: UNKNOWN  
Label Status: F  
Common Name: OSPHO METAL TREATMENT  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Moderate: X  
Fire Hazard-None: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: ACUTE: IRRITANT, SLIGHTLY TOXIC WHEN INHALES/  
INGESTED. CHRONIC: SLIGHTLY TOXIC-CAUSES BURNS TO EXPOSED TISSUE. MAY  
DECOMPOSE TO RELEASE OXYGEN AROUND 400C (750F). WILL PRODUCE IRRITATING  
PHOSPHORIC OXIDE FUMES UNDER FIRE CONDITIONS. IN CASE OF SPILL: WEAR  
SUITABLE PROTECTIVE CLOTHING, EYE PROTECTION & RESPIRATOR. NEUTRALIZE WITH  
SODA ASH AND FLUSH THE AREA WITH LARGE AMOUNTS OF WATER. STORE IN SUITABLE

CONTAINER. FIRST AID: CALL A PHYSICIAN IMMEDIATELY. INGESTION-GIVE LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. SKIN & EYE-FLUSH WITH WATER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: THE SHYBRYTE COMPANY

Label Street: 3125 PERKINS AVENUE

Label City: CLEVELAND

Label State: OH

Label Zip Code: 44114

Label Country: US

Label Emergency Number: 216-432-2426