Material Safety Data Sheet

SECTION 1 -
Manufacturer's Name: THE SKYBRYTE COMPANY
Address: 3125 PERKINS AVENUE
City, State, and ZIP: CLEVELAND, OHIO 44114
Signature of Person Responsible for Preparation (Optional): S. L. PITCHER
Date Prepared: MARCH 26, 2007

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

PHOSPHORIC ACID SOLUTION (75%) OSHA PEL: 1 mg/m³
ACGIH TLV: 1 mg/m³

Other Exposure Limits: 3 mg/m³ STEL

CAS No: 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 = 9%

CHEMICAL NAME: PHOSPHORIC ACID SOLUTION (75%) % BY WIEIGHT: 45.0%

DOT Hazard: Class 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 (H₂O = 1): 1.22+/-.04
Vapor Pressure (mm Hg): UNK

Vapor Density (Ar = 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: C

Non-FLAMMABLE

Flammable Limits in Air % by Volume

LEL Lower: N/A

ULT 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 400°C (750°F). WILL PRODUCE IRRITATING PHOSPHORIC OXIDE FUMES UNDER FIRE CONDITIONS.
SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Unstable
Condition: Stable
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 Reaction: AVOID CONTACT WITH STRONG ALKALIES. (WILL PRODUCE VIOLENT ACID/BASE NEUTRALIZATION REACTION.)

SECTION 6 - HEALTH HAZARDS

1 Acute
2 Chronic

STRONG IRRITANT - SLIGHTLY TOXIC - 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 Potentially Carcinogenic: National Toxicology Program Yes X, IARC Monographs Yes X, OSHA Yes X

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

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 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: 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 - SPECIFIC PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection: NIOSH/MSHA ACID GAS WITH FULL FACE PIECE.

Ventilation: Local Exhaust ADEQUATE TO MEET PEL.

Protective Goggles: ACID RESISTANT

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

Work/Hygienic 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.