

Material Safety Data Sheet

Effective Date: 15-NOV-2006  
Product: VBS 007

I. IDENTIFICATION

Chemical Name: Acidifier-Buffer, Deposition & Conditioning Agent  
Chemical Family: Adjuvants  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not determined  
Freezing Point: <35 Degrees F.  
Spec Gravity: 1.119-1.121 gms/cc  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: Soluble  
Volatiles: Not determined  
Evaporation: Not determined  
Melting Point: Not applicable  
Appearance: Clear, off-white liquid.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Blend of organic phosphatic compounds and alkyl polyoxyethylene ether.		50.00	0.25 ppm	Corrosive; severe skin & eye irritant.
Inert ingredients, ineffective as a buffer or conditioner.		50.00	N/E	Skin & eye irritant.

NOTE: Contains Phosphoric Acid (CAS No. 7664-38-2)

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Aqueous solution.  
Autoignition Temp: Not determined  
Flammable Limit: Not determined  
Extinguishing Media: Non-combustible liquid. Use dry chemical, carbon dioxide, alcohol foam or water spray extinguishing agents.  
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.

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Fire and Expl Hazard: None currently known.  
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V. HEALTH HAZARD  
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Carcinogen Information: Not currently listed.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: Ingestion may cause irritation, burns, pain, nausea, vomiting, shock symptoms or even death.  
Skin Absorption: May cause severe skin irritation with contact.  
Inhalation: Inhalation of spray mists or vapors may cause irritation, including coughing.  
Skin contact: May cause severe skin irritation with contact.  
Eye Contact: Eye contact may cause severe irritation, including burns. Prolonged eye contact may cause irreversible eye damage and/or blindness.  
Chronic Effects: Overexposure may aggravate disorders of the skin and respiratory system.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: Do NOT induce vomiting! Seek immediate medical attention. Rinse mouth with water. Dilute stomach contents by drinking water. If spontaneous vomiting occurs, keep head below hips to prevent aspiration.  
Skin: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Seek medical attention.  
Inhalation: Move to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Seek medical attention.  
Eyes: Immediately flush eyes with water for at least 15 minutes, while holding the eyelids apart. Obtain immediate medical attention, preferably from an ophthalmologist.  
Notes to Physician: There is no specific antidote for this product. Treatment should be directed toward control of the symptoms and the clinical condition of the patient.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: Avoid excessive heat, open flames and ignition sources.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Avoid contact with inorganic bases, organic bases, metals/metal blends. Contact with some metals may generate hydrogen gas.  
Hazardous Combustion: May produce oxides of phosphorus under fire conditions.  
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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Wear appropriate PPE. Recover free product for disposal. Store recovered product and material for disposal in a non-reactive container, preferably plastic. Prevent runoff to groundwater, surface waters and sewers. If acidity is low, neutralize with hydrated lime, soda ash or sodium bicarbonate. To clean up residue, flush sparingly with water. Absorb with an inert absorbent, collect and place in containers with other material for disposal.  
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.  
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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: Use NIOSH-approved respirator if TLV is exceeded.  
Ventilation: Mechanical general ventilation is usually adequate.  
Gloves: Acid-proof gloves.  
Eyes: Chemical goggles.  
Other: Eyewash station, emergency shower, face shield (if splashing may occur), impervious apron and rubber boots.  
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IX. SPECIAL PRECAUTIONS  
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Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams,

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ponds or sewers with this material. Store in a cool, dry, well-ventilated area in original, closed containers. Store away from incompatible materials.

Other precaution: This material has a low pH (2.0 - 2.5). If disposed, must be handled and treated as a D002 corrosive hazardous waste.

X. SHIPPING INFORMATION

Shipping name: Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, UN1760, PG III "ERG # 154"

Hazard Class: Corrosive (8)

Identification No: UN1760

Labels Required: Corrosive (8)

Placarding: Corrosive (8)

Freight Class: Adhesive, Adjuvant, Spreader or Sticker, Liquid, N.O.I. (NMFC Item 4610, Class 60)

Chemical Name

Equivalent R.Q.

Phosphoric Acid (CAS No. 7664-38-2)

5,000 lbs. (>1,665 gallons)

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 3

Fire: 1

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y

Delayed (Chronic) Health: N

Sudden Release of pressure: N

Fire: N

Reactive: N

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