Last Revision Date: 8/21/2012

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: S-13109A4

Description: Propham in Acetonitrile

Product Type: Solution

Other Names: Isopropyl-N-phenylcarbamate

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026

EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS: 122-42-9

Description: Propham Solution
Concentration: 1000ug/ml in Acetonitrile

EINECS No: 204-542-0

Hazard Symbols: Xn

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory.

All chemicals should be considered hazardous – Avoid direct physical contact!

For the solvent: Acetonitrile

Health Risks: Lachrymator-Causes severe eye irritation. Can cause eye irritation. Can cause skin irritation. May be harmful if absorbed through the skin. May be harmful if inhaled. Can cause cyanosis. May be harmful if swallowed. Can cause blood disorders. May be fatal or cause blindness if swallowed. Can be irritating to mucous membranes. Prolonged exposure may cause nausea/headache/dizziness and/or eye damage.

Target Organs: Lungs; Liver and Kidneys; Cardiovascular system; Skin; Eves.

For the minor component Propham:

CA Proposition 65: Data not available.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

For the solvent: Acetonitrile

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes. If no burns have occurred-use soap and water to cleanse skin.

If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing.

If patient has stopped breathing administer artificial respiration.

If patient is in cardiac arrest administer CPR.

Continue life supporting measures until medical assistance has arrived.

SECTION 5 - FIRE AND EXPLOSION DATA

For the solvent: Acetonitrile

Flash Point: 2°C This is a flammable chemical.

Extinguishing Media: Carbon dioxide, dry chemical powder or spray.

Lower Explosion Limit: 4.4%

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Upper Explosion Limit: 16% Autoignition Temperature: 523°C

NFPA Hazard Rating:

Health: 2
Reactivity: 0
Flammability: 3

(Scale: 0 = Least, 1 = Slight, 2 = Moderate, 3 = High, 4 = Severe)

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area. Absorb on vermiculite or similar material. Sweep up and place in an appropriate container. Hold for disposal. Wash contaminated surfaces to remove any residues.

Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn. Use appropriate OSHA/MSHA approved safety equipment.

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For the solvent: Acetonitrile

OSHA PEL (TWA): 40 ppm(70 mg/m3)
ACGIH TLV (TWA): 40 ppm (67 mg/m3)
ACGIH TLV (STEL): 60ppm (101mg/m3)

Personal Protective Equipment

Eyes: Wear Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements

must be followed whenever workplace conditions warrant the use of a respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

For the solvent: Acetonitrile

Color: Colorless
Phase: Liquid
Melting Point: -48°C
Boiling Point: 82°C

Specific Gravity: 0.786 g/mL @ 25°C

Vapor Density: 1.3

Vapor Pressure: 97.1hPa @ 20°C
Solubility in water: Completely miscible
Odor: Pungent, acrid

Evaporation Rate (Butyl acetate=1): 5.89

Molecular Weight: 41.06

Molecular Formula: C2H3N

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SECTION 10 - STABILITY AND REACTIVITY

For the solvent: Acetonitrile

Flammable. Reacts with Acid halides and anhydrides.

Volatile. Explosive. Sensitive to heat.

Do not distill to dryness.

Incompatible with strong bases. Incompatible with strong acids.

May polymerize upon standing.

SECTION 11 - TOXICOLOGY INFORMATION

Since this solution contains a very low concentration of active component, the primary hazard is from the solvent.

For the solvent: Acetonitrile

RTECS: AL7700000
Oral Rat or Mouse LD50: 2460 mg/kg
Dermal Rat or Mouse LD50: N/A mg/kg
Rat or Mouse LC50: 7551 ppm/8H

Carcinogenicity

OSHA:No IARC:No NTP:No ACGIH: No A4 NIOSH:No Other:No

For the minor component Propham:

The LD50 for the minor components:

ANALYTE LD50 Propham 1000 mg/kg

Carcinogenicity

OSHA:No IARC:No NTP:No ACGIH:No NIOSH:No Other:No

CA Proposition 65: Data Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

For the solvent: Acetonitrile

UN Number: UN1648 Class: 3 Packing Group: II

Proper Shipping Name: Acetonitrile

SECTION 15 - REGULATORY INFORMATION

For the solvent: Acetonitrile

European Labeling in Accordance with EC Directives

Hazard Symbols: F;T

Risk Phrases: R11: Highly Flammable.

R23/24/25: Toxic by inhalation, in contact with skin, and if swallowed.

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Safety Phrases: S16: Keep away from sources of ignition - No smoking.

S27: Take off immediately all contaminated clothing.

S45: In case of accident or if you feel unwell, seek medical advice

immediately (show label where possible).

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

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