

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CARRIER
 PRODUCT NO.: C899
 EMERGENCY PHONE: CHEMTEL 800-255-3924
 DATE PREPARED: 12-07-2010

CHEMICAL IDENTIFICATION: Chemical name: Alykl phthalimide; CAS Number: Proprietary; Chemical Family: Fatty Amide

COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS:

Component Name	CAS Number	PEL	TLV	%
Alykl Phthalimide	Proprietary	NE	NE	
Surfactant	Proprietary	NE	NE	

HMIS RATINGS:

Health:	1	Reactivity	C
Flammability	1	Protection	H

EMERGENCY OVERVIEW: POSSIBLE EXPOSURES: Eyes, Skin, Breathing vapors/mist, swallowing

POSSIBLE HEALTH EFFECTS:

EYE CONTACT: Can irritate*

BREATHING VAPOR: Can irritate

SKIN CONTACT: Can irritate*

SWALLOWING: NO

*Based on information for product component.

SENSITIZATION: Prolonged exposure or repeated exposure with the skin may cause irritation.

TARGET ORGANS: Eyes and skin

CANCER INFORMATION: Product & components not known to us to be carcinogens. NTP: NO; IARC; NO ; OSHA: NO.

PRECAUTIONS: To help protect yourself against expected or unforeseen irritation or allergic reactions, as precautions workers should always be sure to wear all the properly selected protective equipment and clothing as instructed on this Material Safety Data Sheet. As precautions, wash you hands and face after handling and before eating, drinking, smoking or using rest room facilities. After each shift, clean all protective equipment, wash all work clothes, and shower. Unusual Hazards: NK.

FIRST AID MEASURES:

EYE CONTACT: Immediately rinse with plenty of clean flowing water for 15 to 20 minutes, holding eyelids open to rinse completely. Call a doctor, and get medical attention immediately, as a precaution.

SKIN CONTACT: Remove affected clothing. Wash affected skin area with plenty of soap and water. Rinse with plenty of water. Wash all work clothes before wearing again. If any redness, swelling, itching, or pain of the skin starts, see a doctor immediately.

BREATHING PRODUCT VAPOR/MIST: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Get emergency medical help immediately. Call 911 if available in your area, or other medical emergency number.

SWALLOWING OF PRODUCT: Call a doctor and get medical attention immediately.

FIRE FIGHTING MEASURES: FLASH POINT: Greater than 212; **TYPES OF EXTINGUISHERS:** "Alcohol" Foam, Dry Chemical, Co2 and Water Spray; **FIRE FIGHTING DIRECTIONS:** Wear self-contained breathing apparatus to protect against possibly toxic fumes. Wear full fire protection clothing.

ACCIDENTAL SPILL OR RELEASE MEASURES: Instructions for spills & releases:

Wear a NIOSH approved vapor/mist respirator, with all protective clothing & equipment as outlined in Personal Protection section of this MSDS.

Environmental Protection: Prevent liquid from entering floor drains. For large spills, dike and contain with absorbent material or spill barriers. Do not release to sewers or any bodies of water without proper permission from all governmental authorities with jurisdiction in your locality.

Contain and clean up spill immediately. Soak up & solidify spills using a suitable absorbent such as "Oil Dry", "Fuller's Earth", sand or other appropriate material. Scoop solidified material & absorbent into proper waste disposal container and seal. Dispose of according to all applicable city, county, state and federal regulations. Contact appropriate agencies for guidance on how to proceed.

HANDLING AND STORAGE: Store product in original, or similar water proof containers. Reseal containers tightly after each use. Store under cool, dry conditions. Not considered a fire hazard, but can decompose if involved in a fire releasing irritant fumes.

EXPOSURE CONTROLS & PERSONAL PROTECTION:

NOTE: When selecting personal protective equipment and clothing, follow all manufacturer specifications and recommendations that apply to your specific operations and processing conditions. Take into consideration all conditions and all chemicals to be handled or processed.

EYE PROTECTION: Wear splash proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

SKIN PROTECTION: Wear chemically resistant rubber gloves selected for your specific processing conditions and chemicals to be handled in mind. Wear coveralls and boots to minimize skin contact. As precautions, wash hands and face with mild soap & water before eating, drinking, smoking, or using rest room. After each shift, clean all protective equipment, wash work clothes and shower.

LUNG, THROAT & NASAL PROTECTION: Wear NIOSH approved vapor/mist respirator for your particular operation and materials being handled.

OTHER PROTECTION: Eye wash fountains & drench showers should be located within 100 feet or a 10 second walk of the work area per ANSI Z358.1-1990

VENTILATION: Local exhaust is recommended, mechanical exhaust is acceptable.

PHYSICAL AND CHEMICAL PROPERTIES: **Description:** Amber liquid; Slight odor; **Boiling Point:** 219f; **Water solubility:** Insoluble; **pH:** 8.1 to 8.5 at 100 G/L water; **Vapor density:** NE; **Vapor pressure:** NE; **Evap rate:** less than 1; **% volatile:** NE (by wgt.); **% non-volatiles:** NE (by vol.); **Specific gravity:** approx 1.1; **Density:** NE (Lbs. per Gal.); **% water content:** NE (by wgt.); **% water content:** NE (by vol.); **% organic voc:** NE (by wgt.); **% organic solvents:** NE (by wgt.); **% VOC less water:** NE (lbs./gal.)

STABILITY & REACTIVITY: **Stability:** Stable; **Conditions to avoid:** NK; **hazardous polymerization:** Will not occur; **Incompatible materials:** NK; **Hazardous decomposition products:** May decompose if involved in a fire releasing irritant fumes.

TOXICOLOGY INFORMATION: **ORAL LD50 (RAT):** > 5000 MG/KG; **DERMAL LD50 (RAT):** NE; **INHALATION LC50 (RAT):** NE

EYE EFFECTS: (Rabbit): Non-irritant 1 **SKIN EFFECTS:** (Rabbit): Non-irritant 1 **BREATHING EFFECTS:** NE 1

1) NOTE: Although this product is not an irritant based on animal studies, individuals can still become sensitive to, or react to any chemicals in their immediate environment. It is recommended that all protective measures be followed as outlined in the personal protection section of this Materials Safety Data Sheet.

GENERAL PRECAUTIONS: Always practice good industrial hygiene, handle with care, avoid personal contact. Don't get into eyes or on skin, don't breathe vapor or mists, don't swallow. Be sure to wash hands with soap & water and rinse well after handling product and before eating, drinking, smoking, or using rest room. Be sure to shower after each shift, wash all clothing & clean protective equipment after each shift.

MUTAGENICITY: NK

MEDICAL CONDITIONS WORSENER BY EXPOSURE: Persons with breathing and lung problems can be affected by breathing in any type of vapors or mists. As a precaution to protect health and minimize possible or unexpected reactions, any persons with asthma, allergies, or other breathing-related problems should not handle, nor be exposed to any products or conditions where vapors or mists of any chemical products may be present.

ECOLOGICAL DATA: **BOD 5:** NE; **COD:** NE; **FISH TOXICITY:** NE; **SEED TOXICITY:** NE; **CWA TOXIC POLLUTANTS:** NE; **K BIOLOGICAL ELIMINATION:** NE

DISPOSAL CONSIDERATIONS/ENVIRONMENTAL PROTECTION PROCEDURES:

DISPOSAL METHODS: It is recommended that you select an alternative below according to the following order of preference, depending on environmental impact:

1. Recycle or rework material, if at all possible.
2. Incinerate material at an approved facility.
3. Treat at an acceptable waste treatment facility, or municipal waste treatment plant after proper testing and approval waste samples.

If disposed of in its original unused form this material should be treated and disposed of at an approved site or facility, in compliance with all applicable federal, state and local environmental regulations. You must contact the proper government agencies for additional directions. All waste material and waste water should be disposed of correctly, under all federal, state, city and county laws.

CONTAINER REUSE: Emptied container may contain product residues and should not be reused. If not professionally cleaned and reconditioned, crushing or other means recommended to prevent unauthorized reuse.

TRANSPORT INFORMATION: DOT STATUS: NR

REGULATORY INFORMATION:

CAA: Product is not manufactured with, nor does it contain Class I or II Ozone depleting chemicals.

CAL PROP 65: Product contains the following chemicals known to the state of California to cause cancer or reproductive toxicity: Formaldehyde.

CONEG - TYPICAL METALS PRESENT IN PPM: Cadmium: NE; Chromium: NE; Lead: NE; Mercury: NE

RCRA: Not hazardous in its purchased form, however under RCRA, it is the product user's responsibility to determine at time of disposal if any material containing the product or derived from the product is a hazardous waste.

OTHER TYPICAL DATA IN PPM: Antimony: NE; Arsenic: NE; Barium: NE; Cobalt: NE; Copper: NE; Manganese: NE; Selenium: NE; Silver: NE; Zinc: NE

SARA 311/312: Immediate/acute health hazard: YES; Delayed/chronic health hazard: YES; Fire hazard: NO; Sudden release of pressure hazard: NO; Reactivity hazard: NO

ACRONYM LIST:

NA = Not applicable to this material
ND = No test data currently available
NH = Not hazardous under cited regulations
NL = Not listed or approved under these regulations

NC = Not certain, undetermined
NE = Not established, no testing planned
NK = None known
NR = Not regulated or reportable

PK = calculated by process knowledge with formulation data

NIOSH = National Institute for Occupational Safety and Health

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied, is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Communication Standard 29 CFR 1910.1200, and supersedes any previous information. Previously dated sheets are invalid & inapplicable.

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