

MATERIAL SAFETY DATA SHEET

RA.043-00
Issue date: 02/10/03
Revision date:
Page 1 of 3

Identification (As Used on Label and List):
K-PAK THERMAL DESIGNING FOAM (6.0% VOC)

SECTION 1 GENERAL INFORMATION

Trade Name: K-Pak Protective Designing Foam

Manufacturer's Name: JOICO LABORATORIES, INC. **Emergency Telephone #:** (800) 584-8038 - 24 hours

Address (Number, Street, City, State, & Zip Code): 488 E. Santa Clara Street
Suite 301
Arcadia, CA 91006 **Information Telephone #:** (203) 656-7859 – (Mon-Fri)
(8:30 a.m. – 5:00 p.m. EST)

Prepared: 9/17/03 **Current MSDS Update:**

HMIS Rating: HEALTH=1; FLAMMABILITY=1; REACTIVITY=0

SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>TLV-TWA</u>	<u>PEL</u>
MIXTURE OF PROPANE/N-BUTANE		1000 PPM	UNKNOWN

SECTION 3 PHYSICAL DATA

pH (Concentrate): 6.6-7.2
Specific Gravity: @ 70 F (21 C) = 1.010 – 1.025
Vapor Pressure mm Hg @ 20°C: CAN PRESSURE NOT TO EXCEED 160 psig @ 131 F (55 C)
Vapor Density (Air = 1): >1
% Volatile by Weight (%): NA
Evaporation Rate (BuAc = 1): >1
Solubility in Water: SOLUBLE
Appearance and Odor: SLIGHTLY HAZY OFF WHITE LIQUID WITH CHARACTERISTIC ODOR.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point °F (Test Method-TCC): >65 C
Autoignition Temperature: NA
Flammability Limits in Air (%V) **LEL** = 3.3% **UEL** = 19.0%
Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER
Special Fire Fighting Procedures: KEEP TEMPERATURE OF CONTAINERS BELOW 120 F (50 C) BY SPRAYING WITH WATER UNTIL THE FIRE HAS BEEN EXTINGUISHED.
Unusual Fire & Explosion Hazards: CONTAINERS MAY RUPTURE AND RELEASE FLAMMABLE LIQUIDS AND/OR GASSES IF EXPOSED TO HEAT ABOVE 120 F (50 C).

MATERIAL SAFETY DATA SHEET

RA.043-00
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Revision date:
Page 2 of 3

SECTION 5

REACTIVITY DATA

Product Stability: STABLE

Conditions to Avoid: DO NOT STORE CONTAINERS IN DIRECT SUNLIGHT OR WHERE CONDITIONS WILL HEAT THEM ABOVE 120 F (50 C).

Chemical Incompatibility: DO NOT MIX WITH STRONG OXIDIZERS.

Hazardous Decomposition Products: NORMAL PRODUCTS OF COMBUSTION.

Hazardous Polymerization: WILL NOT OCCUR.

Conditions to Avoid: NONE KNOWN.

Corrosive to Metal: NO

SECTION 6

HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

Skin Contact: NONE KNOWN.

Eye Contact: DIRECT CONTACT OF PRODUCT WITH EYES MAY CAUSE IRRITATION, AND MAY RESULT IN IRREVERSIBLE DAMAGE.

Inhalation: NONE KNOWN.

Ingestion: IF INGESTED MAY CAUSE NAUSEA AND VOMITING. IF IN AEROSOL FORM INGESTION NOT LIKELY.

Chronic Effects of Overexposure: NONE KNOWN.

Medical Conditions Generally Aggravated by Exposure: NONE KNOWN.

Toxicological Test Data: NO RESULTS AVAILABLE.

SECTION 7

EMERGENCY AND FIRST AID PROCEDURES

Skin: WASH EXCESS MATERIAL FROM SKIN WITH SOAP AND WATER.

Eyes: FLUSH EYES WITH GENEROUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

Ingestion: PRODUCT IS NOT LIKELY TO BE INGESTED. IF THIS OCCURS, TREAT SYMPTOMATICALLY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

Inhalation: MOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY, AND GET IMMEDIATE MEDICAL ATTENTION.

SECTION 8

ENVIRONMENTAL DATA

Environmental Toxicity Data: NA

Spill or Leak Procedures: LEAKING CANS SHOULD BE PLACED IN OPEN CONTAINERS, OUTDOORS, AWAY FROM ANY SOURCE OF IGNITION, UNTIL ALL PRESSURE HAS BEEN RELEASED.

Hazardous Substance Superfund: NA

Waste Disposal Method: BURY OR INCINERATE IN APPROVED DISPOSAL FACILITIES AND IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Hazardous waste 40CFR261: NA

Container Disposal: EMPTY CONTAINERS MAY BE DISPOSED OF AS NORMAL REFUSE. RECYCLE WHENEVER POSSIBLE. BEFORE OFFERING FOR RECYCLING, EMPTY THE CAN BY USING THE PRODUCT ACCORDING TO THE LABEL. (DO NOT PUNCTURE).

Other Precautions: NONE KNOWN.

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RA.043-00
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Revision date:
Page 3 of 3

SECTION 9

SPECIAL PROTECTION INFORMATION

Respiratory Protection: NONE REQUIRED.

Ventilation: NORMAL VENTILATION.

Protective Clothing: NONE REQUIRED.

Eye Protection: NONE REQUIRED.

Other Precautions: AVOID EXCESSIVE INHALATION. READ AND FOLLOW ALL LABEL DIRECTIONS AND CAUTIONS. USE ONLY AS DIRECTED.

SECTION 10

TRANSPORT INFORMATION-HIGHWAY

DOT Shipping Name: CONSUMER COMMODITY

Hazardous Substance 49CFR CERCLA: NA

DOT Hazard Class: ORM-D

DOT Labels Required: NONE

DOT Placards Required: NONE

Poison Constituent: NONE

Bill of Lading Description: CONSUMER COMMODITY ORM-D

UN/NA Code: NONE

SECTION 11

SUPPLIER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date issued. We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. The information is offered for the user's consideration and examination. And it is the user's responsibility to satisfy himself that it is suitable and complete for his particular use.

ABBREVIATIONS:

NA: NOT AVAILABLE

ND: NOT DETERMINED

UNK: UNKNOWN