



JK - 27

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **JK-27**
PRODUCT DESCRIPTION: A Residual Pressurized Insecticide for Commercial and Industrial Use Only.
PRODUCT CODE: EPA REG. NO. 1021-1615-5602

MANUFACTURER

HUB STATES, LLC.
P. O. BOX 1646
INDIANAPOLIS, IN 46206
800-428-4416

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC-U.S. 1-800-535-5053
ALL OTHER AREAS 1-352-323-3500

COMMENTS:

HUB STATES, LLC hours of operation are 8:00 TO 4:30 PM EST.

For information regarding MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call INFOTRAC at 1-800-535-5053 24 hrs a day.

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Esfenvalerate	0.25	06623-04-4	Not Avail.
Petroleum Distillate	80-96	064742-47-8	265-149-8

Comments:

Ingredients not identified are proprietary or nonhazardous. Values are not product specifications.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

CAUTION. Contents Under Pressure. Keep away from heat and open flame. Do not expose to Temperatures above 130° F/ 54.4 ° C. May cause skin, eye and respiratory tract irritation. Harmful if swallowed or absorbed through skin. ALWAYS Wear Safety Glasses and appropriate personal protective equipment when handling this product. Avoid breathing vapors and spray mists of this product.

DO NOT puncture or incinerate container.

POTENTIAL HEALTH EFFECTS

EYES:

Can cause temporary irritation, tearing and blurred vision.

SKIN:

Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas(face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.

SKIN ABSORPTION:

Harmful if absorbed through skin.

INGESTION:

Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause lung inflammation and other lung injury.

INHALATION:

Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination.

SECTION 4 – FIRST AID MEASURES

EYES:

Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

SKIN:

Wash affected area with plenty of soap and water. If irritation persist, get medical attention.

INGESTION:

If swallowed, call physician or poison control center and seek medical attention immediately DO NOT induce vomiting due to aspiration pneumonia hazard. Never give anything by mouth to an unconscious person.

INHALATION:

Remove affected person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention immediately.

NOTES TO PHYSICIAN:

Contains Pyrethroids and Petroleum Distillates-vomiting may cause aspiration pneumonia. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate, (Vitamin E) acetate.

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 56.1° C (133°F) TAG CC

FLAMMABLE CLASS:

Not available, No Flame extension available.

EXTINGUISHING MEDIA:

Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS:

This product is classified as noncombustible, however in the extreme temperatures that fires may produce, some of the constituents of this formula may combust to give off such gases as carbon dioxide, carbon monoxide and hydrogen cyanide.

EXPLOSION HAZARDS:

Contents under pressure. Exposure to temperatures above 130°F / 54.4 °C can cause violent bursting.

FIRE FIGHTING PROCEDURES:

Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

LARGE SPILL:

Shut off ignition sources. Stop release, if possible without risk. Dike container release if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

ENVIRONMENTAL PRECAUTIONS:

WATER SPILLS:

Contains pyrethrin which is toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

SECTION 7 – HANDLING AND STORAGE

GENERAL PROCEDURES:

Do not use near heat, open flames or any ignition source.

HANDLING:

Contents under pressure do not puncture or incinerate. Do not use near heat or open flame. Wear impervious gloves such as neoprene or nitrile. Wear OSHA-approved safety glasses, goggles or face shield. Avoid breathing vapor or spray mist. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not required when handling this product, but recommended in the absence of proper mechanical ventilation or if necessary to avoid breathing sprays or mist of this product. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label.

STORAGE:

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong acids, bases, and oxidizers. Emptied containers may retain product residues. Keep away from Children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SUPPLIER OEL	
		<u>Ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Esfenvalerate	TWA					[1]	2
Petroleum Distillate	TWA					100	525

OSHA TABLE COMMENTS:

1. Skin

ENGINEERING CONTROLS:

Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

Wear OSHA-approved safety glasses, goggles or face shield.

SKIN:

Wear chemically impervious gloves such as Neoprene or Nitrile and protective clothing.

RESPIRATORY:

Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary. Avoid breathing vapors or mists of this product. If necessary, use a NIOSH approved organic vapor respirator to avoid breathing sprays or mists of this product.

PROTECTIVE CLOTHING:

Wear chemically impervious gloves, such as neoprene or nitrile. Wear leather shoes and long pants and long sleeve shirt.

WORK HYGENIC PRACTICES:

DO NOT SMOKE, EAT OR DRINK OR APPLY COSMETICS IN WORK AREA!

Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Pressurized Liquid

ODOR: Odor of Petroleum Distillates.

APPEARANCE: Clear amber liquid.

PH: Not Applicable

PERCENT VOLATILE: Less than 63%

BOILING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: Immiscible in water

SPECIFIC GRAVITY: 811 (WATER=1) AT 20° C

VISCOSITY: Not Available

SECTION 10 – STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD50: Not Available

ORAL LD50: Not Available

INHALATION: LC50: Not Available

EYE EFFECTS:

Data not available.

SKIN EFFECTS:

Data not available.

SENSITIZATION:

Not Available.

COMMENTS:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product is extremely toxic to fish and other aquatic invertebrates.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

In areas with steel can recycling, the empty can may be offered for recycling. Where no recycling is available, replace cap and discard container in trash. Do not incinerate or puncture.

RCR/EPA WASTE INFORMATION:

None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

SECTION 14 – TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: 8000

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Not Available

SECTION 15 – REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: YES PRESSURE GENERATING: YES REACTIVITY: NO ACUTE: YES

313 REPORTABLE INGREDIENTS:

This product contains no SARA Title 313 chemicals that exceed the reporting limits.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation. (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103 (a) (40 CFR 302.4) in this information.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: A chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SECTION 16 – OTHER INFORMATION

REVISION SUMMARY

New MSDS

HMIS CODES:

Fire: 2 Health: 1 Reactivity: 1 Protection: 1

HMIS RATINGS NOTES:

We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with the information contained in sections 7 and 8 of this MSDS.

COMMENTS:

The data contained herein is based on information currently available to Hub States, LLC, and believed to be factual and the opinions expressed to be those of qualified experts; however this data is not to be taken as a warranty or representation for which Hub States

EMERGENCY TELEPHONE NUMBER FOR TRANSPORTATION SPILLS – INFOTRAC 800-535-5053

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