

**MATERIAL SAFETY DATA SHEET - Yellowjacket Lure**  
**Fermented Tropical Fruit Juice in Aluminum Foil Pouch**  
Prepared September 5, 2002

**SUPPLIER:**

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**I. IDENTIFICATION**

PRODUCT CODE	#YJ0412
CHEMICAL NAME	Yellowjacket lure
CHEMICAL FAMILY	Vinegar
MOLECULAR STRUCTURE	Over 90% water
COMPOSITION	Vinegar of tropical fruit fortified to 5% with acetic acid. Preservatives added sodium hydrogen sulfite (200ppm) and to 0.1% sodium benzoate, potassium sorbate and tetraalkyl ammonium salt
NORMAL USE	Contents of bag are diluted by 10X in water for normal use

**II. PHYSICAL DATA**

APPEARANCE	Brown liquid
ODOR DESCRIPTION	Pleasant
BOILING POINT	100° C @ 1 atm
VAPOR PRESSURE	(20° C, mm Hg) as for water
VAPOR DENSITY: (Air = 1)	> 1
SPECIFIC GRAVITY @ 25°C (water = 1)	1
SOLUBILITY IN WATER	Soluble in water, soluble in alcohol

**III. FIRE AND EXPLOSION INFORMATION**

FLASH POINT (CC, F)	Not applicable
DOT/IMDG HAZ Class	Not applicable
EXTINGUISHING MEDIA	Not flammable

UNUSUAL FIRE & EXPLOSION HAZARDS	None
HAZARDOUS COMBUSTION PRODUCTS	None

#### IV. REACTIVITY INFORMATION

CONDITIONS TO AVOID	Presents no special reactivity hazard
MATERIALS TO AVOID	Agents that react rapidly with water

#### V. HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE (TLV)	Not established
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL)	Not established
LISTED AS CARCINOGEN BY NTP, IARC, or OSHA?	No
HEALTH HAZARD DETERMINATION	Most likely route of entry is through the skin. Full strength liquid is irritating to skin and eyes.

#### VI. EMERGENCY & FIRST AID PROCEDURES

SKIN CONTACT	Wash skin with copious amount of water while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
EYE CONTACT	Irrigate the eyes with copious amounts of water. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
INHALATION	Remove to fresh air, rest and keep warm. In severe cases or if symptoms persist, seek medical attention.
INGESTION	Wash mouth with copious amounts of water. Do not induce vomiting. Seek medical attention.

#### VII. FIRE FIGHTING MEASURES:

Steps to be Taken if Material is Released or Spilled	Wash with water into local drain. No hazard to environment due to this product
WASTE DISPOSAL METHOD:	In accordance with local, state, and federal regulations

#### VIII. PROTECTION INFORMATION:

RESPIRATORY PROTECTION	Not usually required
VENTILATION:	Mechanical (general)
PROTECTIVE GLOVES	Rubber Gloves
EYE PROTECTION	Splash-proof safety glasses
OTHER PROTECTIVE EQUIPMENT	Safety shower, eye wash

**MATERIAL SAFETY DATA SHEET - Western Yellow Jacket Lure****Heptyl butyrate lure**

Prepared September 13, 2000

**SUPPLIER:**

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**I. IDENTIFICATION**

PRODUCT CODE

#YJ0512

CHEMICAL NAME

Heptyl Butyrate

CHEMICAL FAMILY

Aliphatic ester

MOLECULAR  
STRUCTURE**C<sub>11</sub> H<sub>22</sub> O<sub>2</sub>**CAS REGISTRY  
NUMBER

5870-93-9

PRODUCT  
DESCRIPTIONHeptyl butyrate lure (wasp attractant lure) plastic bubble  
with heptyl butyrate inside bubble**II. PHYSICAL DATA**

APPEARANCE

Colorless liquid inside plastic bubble.

ODOR DESCRIPTION

Pleasant fruity odor for heptyl butyrate

BOILING POINT

226° C for heptyl butyrate

VAPOR PRESSURE

(20° C, mm Hg) not applicable for product

VAPOR DENSITY: (Air =  
1)

&gt; 1 for heptyl butyrate

SPECIFIC GRAVITY @  
25° C (water = 1)

0.86 ± 0.01

SOLUBILITY IN WATER

Product and heptyl butyrate are insoluble in water

**III. FIRE AND EXPLOSION INFORMATION**

FLASH POINT (CC, F)

195° F (Closed cup method for heptyl butyrate)

DOT/IMDG HAZ Class

Not applicable for product

EXTINGUISHING MEDIA

CO<sub>2</sub>, Foam, Dry Chemical

UNUSUAL FIRE & EXPLOSION HAZARDS	None
HAZARDOUS COMBUSTION PRODUCTS	CO, CO <sub>2</sub> , Water

#### IV. REACTIVITY INFORMATION

CONDITIONS TO AVOID	Product presents no special reactivity hazard. Product should not be exposed to direct flame.
MATERIALS TO AVOID	Product should not be exposed to strong oxidizing agents

#### V. HEALTH HAZARD INFORMATION

None of the components of the product fall within the definition of "Hazardous Chemical" given in OSHA Hazard regulation 29 CFR 1910-1200(c).

THRESHOLD LIMIT VALUE (TLV)	Not established
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL)	Not established
LISTED AS CARCINOGEN BY NTP, IARC, or OSHA?	No
HEALTH HAZARD DETERMINATION	Most likely route of entry is through the skin. Full strength liquid may be irritating to skin and eyes.

#### VI. EMERGENCY & FIRST AID PROCEDURES

SKIN CONTACT	Heptyl butyrate may cause skin irritation. Immediately wash skin with copious amount of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
EYE CONTACT	Due to product formulation contact with eyes is not expected as a route of exposure. If heptyl butyrate comes in contact with the eyes, immediately irrigate the eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
INHALATION	Due to product formulation inhalation is not expected as a route of exposure. If inhalation occurs remove to fresh air, rest and keep warm. In severe cases or if symptoms persist, seek medical attention.
INGESTION	Due to product formulation ingestion is not expected as a route of exposure. If ingestion occurs wash mouth with copious amounts of water for at least 15 minutes. Do not induce vomiting. Seek medical attention.
CHRONIC	Due to product formulation and use prolonged exposure to heptyl butyrate is not expected.

#### VII. FIRE FIGHTING MEASURES:

Steps to be Taken if Material is Released or Spilled from lures	Standard absorbents can be used. Wet used absorbent with water; store in air-tight container.
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WASTE DISPOSAL METHOD:

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

**VIII. PROTECTION INFORMATION:**

RESPIRATORY PROTECTION

Not required under normal use conditions

VENTILATION:

Not required under normal use conditions

PROTECTIVE GLOVES

Not required under normal use conditions

EYE PROTECTION

Not required under normal use conditions

OTHER PROTECTIVE EQUIPMENT

Not required under normal use conditions

**IX. SPECIAL PRECAUTIONS**

Store in cool, well ventilated area below 30° C. Wash your hands after handling this product. Do not allow product to contaminate water sources, food or feed.

**X. REGULATORY INFORMATION**

As of the preparation date this product did not contain any components subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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