

Material Safety Data Sheet

Prepared April 24, 2008

Section 1 Product and Supplier Information



Chemtica Internacional, S.A.
Industrial Park Z Sta Rosa
Sto. Domingo, Heredia
Costa Rica 003105

Emergency Phone Numbers:
1-800-424-9300
Chemtrec (North America) emergency
number

1-703-527-3887
Chemtrec(International) emergency
number

506-2261-5396, 506-2261-2424
Chemtica Internacional

Product name: Thrips Attractant Lure
Product code: P178-Lure

This product consists of one attractant: p-Anisaldehyde impregnated in plastic-square lure. The plastic lure devices are sealed in separate impermeable pouches for shipping and storage. The product is intended for use as attractant of several species of Thrips.

Section 2 Hazards Identification

Emergency Overview – for product

Slight Hazard

Irritating to eyes, respiratory system and skin.

HMIS® Rating

Health: 1

Flammability: 1

Reactivity: 0

For additional information on toxicity refer to Section 11.

Section 3: Composition / Information on Ingredient

Component 1

Chemical Name: p-Anisaldehyde
CAS #: 123-11-5
RTECS: BZ2625000
Formula: C₈H₈O₂

Section 4 First Aid Measures

Oral Exposure: Harmful liquid impregnated in plastic device very difficult to swallow. If device is swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

Inhalation Exposure: Product very difficult to inhale.

Dermal Exposure: Product may cause irritation from prolonged (days of continuous) direct exposure to devices as would occur if devices were carried in clothing. In case of direct, prolonged skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure: Active ingredients irritating to eyes. In case of contact of devices with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 Fire Fighting Measures

Flash Point: (CC, F) : In formulation: N/A

Auto-ignition Temperature: In formulation: N/A

Flammability: In formulation: N/A

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

Firefighting: In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.

Section 6 Accidental Release Measures

Procedure to be followed in case of leak or spill: Pick up plastic devices and dispose of in approved manner.

Procedure(s) of personal precaution(s): No protective apparatus necessary for clean-up.

Methods for cleaning up: Pick up material and dispose of in approve manner.

Section 7 Handling and Storage

Handling: Keep the dispenser lures inside the package until use. Display the lure inside the trap, no either puncture; tear or cut open the lure is necessary for proper effect.

Storage: Suitable: Keep away from heat, sparks and open flame, store below 4°C.

Section 8 Exposure Controls / PPE

Engineering Controls: No open flames.

Personal Protective Equipment: No respiratory equipment required.

Hand: Compatible chemical resistant gloves recommended for prolonged handling.

Eye: No precautions necessary if devices are handled in prescribed manner.

General Hygiene Measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.

Section 9 Physical / Chemical Properties of active ingredient

Appearance: Colorless to slight yellow liquid Physical State: Liquid

Active Ingredient p-Anisaldehyde

Property of Active Ingredient Value

Molecular Weight 136.15

pH N/A

BP/BP Range 248-249 C @ 760 mmHg

MP of liquids -1 C

MP / MP Range N/A

Freezing Point -1 C

Vapor Pressure 3.29 002 mmHg @ 25 C

Vapor Density (Air = 1) : 4.7

Saturated Vapor Conc. N/A

SG / Density @ 25°C (water =1) 1.1190 g/cm3

Bulk Density N/A

Odor Threshold N/A

Volatile % N/A

VOC Content N/A

Water Content N/A

Solvent Content N/A

Evaporation Rate N/A

Viscosity N/A

Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	> 160 C
Flash Point (°C)	116
Explosion Limits	1.4 vol % (lower) 5.3 vol % (upper)
Auto-ignition Temp.	225 C
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	insoluble in water, soluble in alcohol
N/A = not available	

Section 10 Stability and Reactivity

Stability: Stable. Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon dioxide and Carbon monoxide.

Hazardous polymerization: Will not occur.

Section 11 Toxicological Information

The following applies to plastic devices enclosing the *Thrips* attractant when used in the prescribed manner.

Skin Contact: Product known to cause skin irritation upon prolonged contact.

Skin Absorption: Product absorbed through the skin upon prolonged contact.

Eye Contact: Product causes eye irritation if directly rubbed in eye.

Inhalation: Product difficult to inhale.

Ingestion: Product could cause choking if swallowed.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical and toxicological properties of active ingredient have not been thoroughly investigated.

Toxicity Data

Draize test, rabbit, skin: 500 mg/24H Moderate;

Oral, mouse: LD50 = 1859 mg/kg;

Oral, mouse: LD50 = 1858.6 mg/kg;

Oral, rat: LD50 = 1510 mg/kg;

Oral, rat: LD50 = 1847.8 mg/kg;

Skin, rabbit: LD50 = >5 gm/kg;

Section 12 Ecological Information

No data available.

Section 13 Disposal Considerations

Waste disposal method: Incineration or sanitary landfill in accordance with local, state and federal regulations.

Section 14 Transport Information

Road (DOT)

Not Regulated.

Air (IATA)

Not Regulated.

Sea (IMDG)

Not Regulated.

Section 15 Regulatory Information

European information

Based on toxicological studies in the published literature, there are no risk and safety phrases to assign for this product.

United States Regulatory Information

SARA Listed: No. (active ingredients)

TSCA Inventory Item: Yes (active ingredients)

Listed as carcinogen by NTP, IARC or OSHA?: No

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains information required by the CPR.

Section 16 Other Information

HMIS® Hazardous Materials Identification System

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA.

Acronyms: NTP (National Toxicology Program); IARC (International Agency for Research on Cancer); OSHA (Occupational Health and Safety Administration); DOT (U.S. Dept. of Transportation)

Disclaimer:

For use as attractant of several species of Thrips.

Warranty:

The above information was obtained from sources we believe to be reliable, however the information in this MSDS is provided without any warranty, express or implied regarding its correctness. ChemTica Internacional makes no representations or warranties either express or implied, of merchantability, fitness for a particular purpose or of any other nature with respect to the information or the product to which the information refers. ChemTica's sole and exclusive liability with respect to products that are proven to ChemTica's satisfaction to be defective or nonconforming shall be the replacement of such products in accordance with ChemTica's instructions. This remedy, in the manner provided herein, shall constitute fulfillment of all liabilities of ChemTica whether based on contract, tort or otherwise with respect to, or arising out of the products. ChemTica shall not be liable for any incidental, consequential or contingent or special damages.