

# MATERIAL SAFETY DATA SHEET

## Introductory Details

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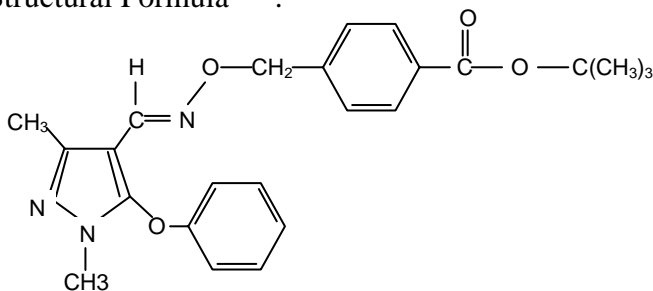
Date of preparation : 22 September 2006

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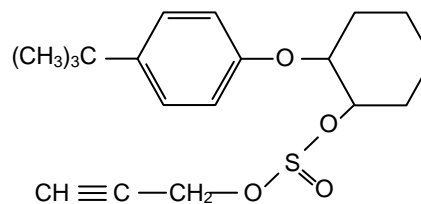
## SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Details

Product Name : Fenpyroximate 3% + Propargite 10% EW  
Trade Name : Scoremite  
Synonyms : OMITE EW  
Chemical Name : (1) *tert*-butyl (E)-"-(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)methylene aminoxy)-D-toluate (Fenpyroximate)  
(2) 2-(p-*tert*-butylphenoxy)cyclohexyl 2-propynyl sulfite (Propargite)  
Chemical Formula : (1) C<sub>24</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub> (2) C<sub>19</sub>H<sub>26</sub>O<sub>4</sub>S  
Molar Mass : (1) 421 (2) 350  
Chemical Family : (1) Cyclic compound (2) Organosulfite  
Manufacturer's Code : NNI-850  
Use : Insecticide  
Structural Formula :



*Fenpyroximate*



*Propargite*

### 1.2 Company Identification

**Manufacturer** :

#### **Importer/Distributor**

Name and Address : Agricultural Chemical (M) Sdn. Bhd.  
962, Lorong Perusahaan 8, Taman Perindustrian Perai,  
13600 Perai, Pulau Pinang, Malaysia.

Telephone Number : 604-3907988

Emergency Telephone Number : 604-3907988

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### 1.3 Contact Point

Designation : Ms. Cheong Wai Ching, Product Support Manager /  
En. Ahmad Labib bin Yusof, Administrative Assistant  
Tel. No. : 604-3907988

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
Fenpyroximate	134098-61-6	3.0%	Not established	Refer Section 11
Propargite	2312-35-8	10.0%		
Water, Organic solvent etc.	-	87.0%		

## SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off-white viscous emulsion  
Odour : Naphthalene-like  
Solubility : No data available  
Boiling Point : No data available  
Melting Point (°C) : No data available  
Vapour Pressure (mmHg at 25°C) : No data available  
Percentage Volatiles : No data available  
Evaporation Rate : No data available  
Vapour Density : No data available  
Specific Gravity : 1.03 / 20°C  
Flash Point : Not determined because the product boils at 100°C  
Autoignition Temperature : No data available  
Flammable Limit (%) : No data available  
Viscosity : 52 mPaS / 25°C  
pH (1% aq. emulsion) : 5.0 at 20°C / 6.2 / 25°C (1% aq. emulsion)  
Flammability : No data available

## SECTION 4 : HAZARD IDENTIFICATION

Harmful by inhalation.  
Irritating to eyes and skin  
Very toxic to aquatic organisms.

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## **SECTION 5 : FIRST AID MEASURES**

- Ingestion : Gargle with water and give one or two glasses of water to drink. Do not induce vomiting. Get medical attention.
- Eye Contact : Flush eyes with plenty of water for at least 15 minutes. Obtain immediate medical attention, even if no pain occurs.
- Skin contact : Remove contaminated clothing. Wash skin with plenty of water and soap.
- Inhalation : Remove the patient to fresh air. Contact medical personnel if ill effects occur.
- Notes to Physician : No data available

## **SECTION 6 : FIRE FIGHTING MEASURES**

- Extinguishing Media : Water spray, dry chemical powder, foam or carbon dioxide.
- Fire fighting instruction : Fire fighters should wear full protective equipment. Move containers from fire areas. If not possible, cool them with water spray. Use extreme caution as heat may rupture the containers.
- Special Hazards : No data available

## **SECTION 7 : ACCIDENTAL RELEASE MEASURE**

### Leak and/or Spill :

Evacuate non essential personnel. Ensure protective equipment (including goggles, respiratory protection) during removal of spillages. Absorb spillages with sand, earth or any suitable absorbent material. Transfer to container for disposal. Wash the spillage area with water. Washings should not be poured into drains or waterway.

## **SECTION 8 : HANDLING AND STORAGE**

- Handling : Keep out of reach of children. When handling and spraying the product, wear personal protective equipment. Avoid contact with eye, skin or clothing. Do not breathe fumes/vapors. Wash face and hands after handling.
- Storage : Keep containers tightly closed and store in a cool, dark and dry place.

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## SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limit : Not established for both active ingredient in the product.  
Engineering Measures : Local exhaust ventilation.  
Personal Protection :  
Respiratory Protection : Respirator  
Eye Protection : Safety goggles  
Skin Protection : Suitable protective clothing and gloves.

## SECTION 10 : STABILITY AND REACTIVITY

Conditions to avoid : No data available  
Incompatibles : No data available  
Decomposition Products : No data available  
Hazardous polymerization : No data available  
Stability : Stable under normal condition

## SECTION 11 : TOXICOLOGICAL INFORMATION

### Toxicity Data :

Acute Oral LD <sub>50</sub>	: Rat	Combined	563 mg/kg
Acute Dermal LD <sub>50</sub>	: Rat	Combined	> 2,000 mg/kg
Acute Inhalation LC <sub>50</sub> (4hrs)	: Rat	Combined	2.8 mg/l

Carcinogenicity : No data available  
Reproductive Effect : No data available  
Effects of Overexposure :  
Eye Irritation : (Rabbit) mild irritant  
(Human) may cause ocular damage in contact with eye.  
Skin Irritation : (Rabbit) slight irritant  
Skin Sensitization : (Guinea pig) negative  
Chronic Effects : No data available  
Target Organs : No data available  
Medical Conditions Generally Aggravated by Exposure : No data available

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## SECTION 12 : ECOLOGICAL INFORMATION

Mobility & Bioaccumulation : No data available  
Biodegradability : No data available  
Aquatic Toxicity : No data available. However both active ingredients, fenpyroximate and propargite are very toxic to fish.

## SECTION 13 : DISPOSAL INFORMATION

Dispose of in accordance with local regulation. Do not flush to surface water or sanitary sewer system.

## SECTION 14 : TRANSPORT INFORMATION

Follow all regulations with regard to transporting chemicals in your country.

### Maritime Transport

Shipping Name : Environmentally hazardous substance  
Hazard Class : Class 9  
UN Number : 3082  
Packing Group : III  
Maritime Pollutant : The product contains inert ingredient specified as marine pollutant [P].

## SECTION 15 : REGULATORY INFORMATION

Pesticides Act :  
Class : II (Poisonous)  
CPL Regulations :  
Class : Harmful, Irritant  
Risk Phrases : R20 Harmful by inhalation  
R36/38 Irritating to eyes and skin  
R50 Very toxic to aquatic organisms  
Safety Phrases : S1 Keep locked up  
S9 Keep container in a well ventilated place  
S25 Avoid contact with eyes  
S39 Wear eye / face protection  
S56 Do not discharge into drains or the environment, dispose of to an authorised waste collection point.

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## SECTION 16 : OTHER INFORMATION

Reference :

- a. MSDS - NNI-850 "Omite EW, no. : 99056 (M360), date : June 26, 2000  
Nihon Nohyaku Co., Ltd.
- b. Physical Properties of Fenpyroximate + Propargite EW August, 1997
- c. Guidelines for The Classification of Hazardous Chemicals - DOSH 1997
- d. Guidelines for The Formulation of A Chemical Safety Data Sheet - DOSH 1997
- e. Guidelines for Labelling of Hazardous Chemicals - DOSH 1997
- f. Crop Protection Handbook 2006

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.