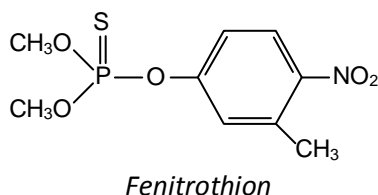
	<h1>Safety Data Sheet</h1>	SDS No.: SDS-P/WP-S/02
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### Section 1: Identification of the Hazardous Chemical and of the Supplier

#### 1.1 Product Identifier

Product Name: Fenitrothion 40% WP  
 Trade Name: Sumithion 40 WP  
 Active Ingredient: O,O-Dimethyl-O-(3-methyl-4-nitrophenyl) phosphorothioate  
 CAS No.(AI): 122-14-5  
 Structural Formula:



Recommended Usage: Insecticide

#### 1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.  
 962, Lorong Perusahaan 8  
 Taman Perindustrian Perai  
 13600 Perai , Pulau Pinang  
 Malaysia  
 Tel.: +6-04-3907988  
 Fax: +6-04-3905703  
 Web: [www.agrichem.com.my](http://www.agrichem.com.my)  
 Emergency Phone: +6-04-3907988

### Section 2: Hazard Identification

Classification: Acute (Oral) Toxicity, category 4  
 Acute (Inhalation) Toxicity, category 3  
 Eye Irritation, category 2  
 Hazardous to the Aquatic Environment-Acute Hazard, category 1  
 Hazardous to the Aquatic Environment-Chronic Hazard, category 1

Pictogram:



Signal Word: Danger



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## Hazard Statement:

H302	Harmful if swallowed
H331	Toxic if inhaled
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

## Precautionary Statement:

P260	Do not breathe mist/vapours.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P311	Call a POISON CENTER or doctor/physician.

## Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Weight, %	Hazard Code
Fenitrothion Technical	122-14-5	40	H301, H312, H330, H400, H410
Surfactant	-	<5	H302, H315, H318
Carrier 1	-	<50	H319
Carrier 2	-	<30	H319

## Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
Symptoms:	No data available.
Notes to Physician:	No data available.



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## Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Carbon dioxide (CO<sub>2</sub>), dry chemical.  
Specific Hazard During Fire: No data available.  
Special Protective Equipment: Fire fighters should wear full-faced self contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

Personal Precautions: Wear protective gloves/protective clothing/eye protection/face protection.  
Environmental Precautions: Avoid release to the environment.  
Method for Cleaning Up: Evacuate non essential personnel. Ventilate area. Absorb spills with inert material such as clay, sand, earth, sawdust etc. and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

## Section 7: Handling and Storage

Precautions for Safe Handling: Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing mist or vapours. Use only outdoors or in a well-ventilated area. Avoid release to the environment.  
Conditions for Safe Storage: Store in a well-ventilated place. Keep container tightly closed.  
Incompatibles: Alkaline material.

## Section 8: Exposure Control and Personal Protection

Exposure Limit:

Source	Component	CAS No.	Limit	
OSHA TWA	Carrier 1 (Silicon Dioxide, amorphous silica)	-	TWA	10mg/m <sup>3</sup>
			STEL	6mg/m <sup>3</sup> (<1%)
ACGIH TWA			STEL	10mg/m <sup>3</sup> (<1%)



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NIOSH TWA			STEL	6mg/m <sup>3</sup> (10 hours)
OSHA PEL	Carrier 2	-	TWA total particulate	15mg/m <sup>3</sup>
OSHA PEL			TWA respirable fraction	5mg/m <sup>3</sup>
ACGIH TLV			TWA respirable dust	2mg/m <sup>3</sup>
NIOSH REL			TWA total particulate	10mg/m <sup>3</sup>
NIOSH REL			TWA respirable fraction	5mg/m <sup>3</sup>

Engineering Control: Local exhaust ventilation.  
Individual Protection Measure: Wash hands thoroughly after handling. Use personal protective equipment as required.  
Personal Protective Equipment:  
Eye Protection: Wear eye protection, goggles.  
Skin Protection: Wear protective gloves and protective clothing.  
Respiratory Protection: Wear face protection, pesticide respiratory masks.

## Section 9: Physical and Chemical Properties

Appearance: Off white wettable powder  
Odour: Characteristic odour  
Odour Threshold: No data available  
pH: No data available  
Melting/Freezing Point: 1600°C (Carrier 1)  
Initial Boiling Point: 118°C at 0.07 hPa (Fenitrothion Technical)  
2230°C (Carrier 1)  
Boiling Range: No data available  
Flash Point: Not applicable  
Evaporation Rate: No data available  
Flammability: No data available  
Upper Flammability Limit: No data available  
Lower Flammability Limit: No data available  
Vapour Pressure: No data available  
Vapour Density: No data available  
Relative Density: No data available  
Solubility in Water: Dispersible in water  
Partition Coefficient P<sub>o/w</sub>: 3.3 (Fenitrothion Technical)  
Auto-ignition Temperature: No data available  
Decomposition Temperature: No data available  
Viscosity: No data available

## Section 10: Stability and Reactivity

Reactivity: No data available.  
Chemical Stability: Stable under normal conditions.



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Hazardous Reaction: No data available.  
Condition to Avoid: Direct sunlight, heat and extreme temperature.  
Incompatible Material: Alkaline material.  
Hazardous Decomposition Product: No data available.

## Section 11: Toxicological Information

### 11.1 Acute Toxicity

Component: Fenitrothion Technical		
Oral LD <sub>50</sub> :		
	Rat	250 mg/kg
Dermal LD <sub>50</sub> :		
	Rabbit	1250 mg/kg
Inhalation, LC <sub>50</sub> :		
	Rat (4h)	378 mg/m <sup>3</sup>
Component: Surfactant		
Oral LD <sub>50</sub> :		1400 mg/kg

### 11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact: Not classified as hazardous.  
Eye Contact: Causes serious eye irritation.  
Inhalation: Toxic if inhaled.  
Ingestion: Harmful if swallowed.  
Carcinogenicity: No data available.  
Mutagenicity: No data available.  
Teratogenicity: No data available.

11.3 Symptoms No data available.

## Section 12: Ecological Information

### Ecotoxicity:

Component: Fenitrothion Technical		
Toxicity to fish:		
	<i>Carassius auratus</i> (goldfish), LC <sub>50</sub> (96h)	2.8 mg/l
	<i>Oncorhynchus mykiss</i> (rainbow trout), LC <sub>50</sub> (96h)	1 - 2 mg/l
Toxicity to daphnia and other aquatic invertebrates:		
	<i>Daphnia magna</i> (water flea), EC <sub>50</sub> (48h)	0.01 mg/l



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Persistence and Degradability: No data available.  
Bioaccumulative Potential: Fenitrothion Technical  
*Oncorhynchus mykiss* (rainbow trout)-72h : 20 µg/l  
Bioconcentration factor (BCF): 250  
Mobility in Soil: No data available.  
Other Adverse Effect: No data available.

## Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam or in accordance to local regulation.

## Section 14: Transportation Information

Land (ADR/RID)	
Proper Shipping Name	Pesticide, Solid, Toxic, N.O.S.
Hazard Class	6.1
Hazchem Code	-
UN number	2588
Packing Group	III
Label / Mark	6
Sea (IMDG)	
Proper Shipping Name	Pesticide, Solid, Toxic, N.O.S.
Hazard Class	6.1
UN Number	2588
Packing Group	III
Marine Pollutant	-
Label	6
Transport Document Name	-
Air (IATA)	
Proper Shipping Name	Pesticide, Solid, Toxic, N.O.S.
Hazard Class	6.1
UN number	2588
Packing Group	III
Label / Mark	6
Transport Document Name	-

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### Section 15: Regulatory Information

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 Hazardous to the Aquatic Environment-Chronic Hazard, category 1

Signal Word: Danger

Pictogram:



Pesticides Act: Class III  
 Classification: Harmful

### Section 16: Other Information

Date of Preparation: 3 December 2015  
 Date of Revision: -  
 Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014  
 GHS Purple Book

Disclaimer: 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.