

**MATERIAL SAFETY DATA SHEET**

SPECTRUM ETHERS LIMITED

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY :**

Material Name : **Ethion Technical**

Manufacturer Name : M/s. Spectrum Ethers Ltd.

Manufacturer Address : Gat No. 367, Rasegaon Village , Nasik- Peth Road , Dist : Nasik , 422202.(INDIA)

Phone number : (91) 02557 226371 / 89 /90

Fax Number : (91) 02557-226371

**2. COMPOSITION / INFORMATION OF INGREDIENTS :**

Hazardous compound in product	CAS No. Classification	Concentration % w/w
Ethion	563-12-2	95% w/w Min.

Chemical Family : Organo-phosphorous

Chemical Formula :  $C_9H_{22}O_4P_2S_4$

Molecular Weight : 384.48

Kind of usage : Insecticides

**3. HAZARD IDENTIFICATION :**

Main Hazards : Very toxic to aquatic organism, May cause long term effects in the aquatic environment. Dangerous for the environment.

Hazard : Toxic , Dangerous for environment.

**4. FIRST AID MEASURES :**

Eye : Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.

Skin : Remove the contaminated clothing and wash the affected area with warm water and soap.

Ingestion : Give gastric lavage and saline catharsis.

Inhalation : Remove the victim to fresh air area. If breathing difficulty or

Discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration and see a medical doctor immediately.

Advice to Physician : Keep the victim under medical control.

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### 5. FIRE FIGHTING MEASURES :

Extinguishing Media	:	Not Flammable
Unsuitable extinguishing media	:	Not Applicable
Special exposure hazards	:	Not Applicable
Protective equipment	:	Not Applicable
Fire fighting guidance	:	Not Applicable

### 6. ACCIDENT RELEASE MEASURES :

Personal Precautions	:	Avoid contact with liquid or vapor, provide side covered safety goggle / face shield, self contained breathing apparatus ( in fire ) , rubber hand gloves and protective over all clothing and shoes.
Environmental precautions	:	Do not discharge into the rains / surface water / ground water
Spillages	:	Recover the product by damping then sweeping or suction, shovel up and place into a labeled tightly closed container.

### 7. HANDLING AND STORAGE :

Handling	:	When using , do not eat, drink or smoke
Storage	:	Keep out of the reach of children, keep away from food, drink and animal feeding stuffs.
Technical storage measures	:	Keep in cool, dry and ventilated area.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION :

Occupational exposure standards :

Engineering control standards	:	
Respiratory Protection	:	Use mask
Hand Protection	:	Use hand gloves.
Eye Protection	:	Wear safety goggles.
Others	:	Over all clothing
Other Information	:	None

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### 9. PHYSICAL AND CHEMICAL PROPERTIES :

Appearance	:	Clear , Pale yellow to amber coloured liquid
pH	:	Not Pertinent
Boiling Range	:	> 150 Dig, Centi
Flash Point	:	Not Pertinent
Explosion Limit	:	Not Available
Solubility in water	:	Slightly soluble
Vapour pressure	:	@ 35 Dig. Centi 0.0000015 mm Hg at 30 Dig Centi
Density (g / ml)	:	1.220 at 20 Dig. Centi
Flammability	:	No
Auto Flammability	:	No
Explosive properties	:	Not Pertinent
Oxidizing properties	:	No
Vapor density (air = 1)	:	13.26
Dust exploding data	:	No
Summary / other data	:	No

### 10. STABILITY AND REACTIVITY :

Stability	:	Subject to slow oxidation in air
Conditions to avoid	:	Not Available
Material to avoid	:	Not Available

**11. TOXICOLOGICAL INFORMATION :**

LD 50	:	52 mg / kg for RAT
LC 50 ( 96 hours )	:	Not Available
Carcinogenicity	:	Not Available
Genotoxicity	:	Not Available
Reproductive Toxicity	:	Not Available

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**12. ECOLOGICAL INFORMATION :**

Mobility	:	Not Available
Persistence / Degradability	:	Not Available
Boi Accumulation	:	Not Available
Aquatic Toxicity	:	Not Available

**13. DISPOSAL CONSIDERATION :**

Product disposal	:	Manufacturer's packaging must be completely empty. Incineration in a licensed installation, Product and contaminated packaging.  Minimum incineration temperature : 1150 deg.
Container disposal	:	Manufacturer's packaging must be completely empty. Dispose as per local rules and regulations.

**14. TRANSPORT INFORMATION :**

Transport information	:	Organophosphorous Pesticides , Liquid , toxic
U.N. Number	:	3018
U.N. Class	:	6.1

Packing Group II  
ADR / RID description : Organophosphorous Pesticides , Liquid , toxic

#### 15. REGULATORY INFORMATION :

Hazard classification :

F : Highly flammable : No

Xn : Harmful : Yes

T : Toxic : Yes

N : Dangerous for environment : Yes

R Phrases : Very toxic to aquatic organism. May cause long term effects in the aquatic environment.

S : Phrase : After contact with skin , wash immediately with plenty of water. If swallowed, seek medical advice immediately and show this container or label. When using, do not eat, drink or smoke, Keep out of reach children. Keep away from food drink and animal feeding stuff.

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#### 16. OTHER INFORMATION :

**MSDS Version : 01**

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in workplace. Since **SPECTRUM ETHERS LTD.** cannot anticipate or control the conditions under which the product may be used , each user must , prior to usage , assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their **SPECTRUM ETHERS LTD.** representative or **SPECTRUM ETHERS LTD.** direct at the contact details on page I.