

1 - Product and Company Information

ProductName DEMETON O & S, 100MG, NEAT

2 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Very toxic in contact with skin and if swallowed. Very toxic to aquatic organisms.

3 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I
DEMETON O&S	8065-48-3	None	None
Formula	C8H19O3PS2		
Molecular Weight	258.3 AMU		

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

AFTER EYE CONTACT

In case of contact 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.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

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

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING

Directions for Safe Handling: Do not get in eyes, on skin, or clothing. Do not breathe vapor. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Use only in a chemical fume hood.

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Hand Protection: Compatible chemical-resistant gloves. Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance	Physical State: Liquid	At Temperature or Pressure
pH	N/A	
MP/MP Range	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapor Pressure	N/A	
SG/Density	1.119 g/cm3	
Partition Coefficient	N/A	
Viscosity	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

ACUTE TOXICITY

LD50
Oral
Human
0.171 mg/kg

LD50
Skin
Rat
8.2 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure threshold.

Behavioral: Tremor. Behavioral: Excitement.

LD50

Intraperitoneal

Rat

2500 UG/KG

LD50

Intravenous

Rat

3900 UG/KG

LD50

Intramuscular

Dog

3650 UG/KG

Remarks: Respiratory: Drowsiness, Headache, Nausea, or vomiting.

Behavioral: Tremor. Behavioral: Excitement.

LD50

Intravenous

Rabbit

24 mg/kg

LD50

Intraperitoneal

Rabbit

3250 UG/KG

LD50

Subcutaneous

Rabbit

15 MG/KG

LD50

Intravenous

Mouse

3900 UG/KG

LD50

Intramuscular

Dog

3650 UG/KG

Remarks: Respiratory: Drowsiness, Headache, Nausea, or vomiting.

Behavioral: Tremor. Behavioral: Excitement.

LD50

Intravenous

Rabbit

24 mg/kg

LD50

Intramuscular

Dog

3650 UG/KG

Remarks: Respiratory: Drowsiness, Headache, Nausea, or vomiting.

Behavioral: Tremor. Behavioral: Excitement.

LD50

Intravenous

Rabbit

24 mg/kg

LD50

Intramuscular

Dog

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Behavioral: Tremor. Behavioral: Excitement.

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