

**IVORYCHEM PTE LIMITED**

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Co. Registration No. 200405572W
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MATERIAL SAFETY DATA SHEET**SLASH 40 EC INSECTICIDE**

Version: Global
Date Approved:
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SLASH® 40 EC INSECTICIDE
ACTIVE INGREDIENT: DIMETHOATE
CHEMICAL FAMILY: NA
CHEMICAL NAME OF ACTIVE INGREDIENT(S): O,O-Dimethyl S-(N-methylcarbamoyimethyl) phosphorodithioate
MOLECULAR FORMULA: C₅H₁₂NO₃PS₂
SYNONYMS:

MANUFACTURER

IVORYCHEM PTE LTD
15 Beach Road, #02-09
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Emergency Telephone Numbers:

Emergency Phone contact@ivorychem.com (Please refer local label for Emergency Numbers in your region).

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Wt.%	PEL/TLV	EC No.	EC Class
Dimethoate		40	None	None	None
Other ingredients	-	60	None	None	None

HAZARDS IDENTIFICATION

HEALTH HAZARDS (ACUTE AND CHRONIC): The active ingredient Dimethoate is a poison (cholinesterase inhibitor). It rapidly enters the body on contact with all skin surfaces and eyes. Clothing contaminated with material must be removed immediately and all skin washed thoroughly.

Repeated exposures to cholinesterase inhibitors such as Dimethoate may, without warning, cause increased susceptibility to doses of any cholinesterase inhibitor.

SIGNS AND SYMPTOMS OF EXPOSURE: Headache, nausea, vomiting, cramps, weakness, blurred vision, pinpoint pupils, tightness in chest, labored breathing, nervousness, sweating,



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watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling a poison control center or doctor. Do not give anything by mouth to an unconscious person.

EYE CONTACT: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN CONTACT: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INHALATION: no specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

NOTE TO PHYSICIAN: Dimethoate is a cholinesterase inhibitor affecting the central and peripheral nervous systems producing cardiac and respiratory depression. The product contains petroleum distillates which may pose an aspiration pneumonia hazard.

TREATMENT ANTIDOTE: Administer atropine sulfate in large doses as soon as possible. TWO to FOUR mg intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear.

Convulsions can be treated with diazepam (3 times 20 mg intravenously).

At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically.

FIRE FIGHTING MEASURES

IN CASE OF FIRE

Use dry chemical or CO₂ extinguishing media for small fires, water spray or foam for large fires. Use water spray to keep fire-exposed containers cool. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and



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place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

ENVIRONMENTAL AND REGULATORY REPORTING: Prevent material from entering public sewer system or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of top soil. The affected area should be removed and placed in an appropriate container for disposal. Spills may be reportable to federal, state and/or local agencies.

HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Keep at temperatures below 77°F (25°C). This product should not be heated above 35°C (93°F). Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

EXPOSURE CONTROLS / PERSONAL PROTECTION

INGESTION: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

EYE CONTACT: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SKIN CONTACT: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

INHALATION: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

In case of emergency spills, use a NIOSH approved respirator with any N, R, P or HE filter.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless to slightly yellow liquid

ODOR: Mercaptanic/acetone odor

MELTING POINT: Below 5°C (41°F)

BOILING POINT: Decomposes at temperatures above 80°C (176°F)

SPECIFIC GRAVITY/DENSITY: 1.09-1.11 g/ml at 25°C (77°F)

VAPOR PRESSURE: 1.85 x 10⁻⁶ mm Hg at 25°C (77°F)

VISCOSITY: 5-10 cps at 25°C (77°F)

pH: NA

SOLUBILITY IN H₂O: Emulsifiable in water

STABILITY AND REACTIVITY

Dimethoate will decompose rapidly when heated to temperatures above 80°C (176°F)



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significantly increasing the risk of inducing explosion. The decomposition is to a considerable extent dependent on time as well as temperature due to exothermic and autocatalytic reactions.

MATERIALS TO AVOID: Strong alkalis and strong oxidizing compounds. It can corrode iron, steel, tin plate and copper. Dimethoate is rapidly hydrolysed at pH >8.0

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES (FINISHED PRODUCT)

Ingestion:	Oral (LD50 Rat) :	450 mg/kg
Dermal:	Dermal (LD50 Rabbit) :	> 2,000 mg/kg
Inhalation:	Inhalation (LC50 Rat) :	2.5 mg/l air - 4 hours
Eye Contact: Skin Contact: Skin Sensitization:	Extremely Irritating (Rabbit) Slightly Irritating (Rabbit) Not a Sensitizer (Guinea Pig)	

ECOLOGICAL INFORMATION

ECO-ACUTE TOXICITY: Invertebrates (Daphnia magna) LC50/EC50 2.5 ppm
Fish (Trout) LC50/EC50 30.2 ppm
Fish (Bluegill) LC50/EC50 > 360 mg/L
Birds (8-day dietary - Mallard Duck) LC50/EC50 41.7 mg/kg

DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedure and disposal of wastes.

TRANSPORT INFORMATION

TDG CLASSIFICATION:

PROPER SHIPPING NAME: ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC,

Company Registration No: 200405572W
Incorporated in the Republic of Singapore Under the Companies Act (Cap 50)



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FLAMMABLE (Dimethoate)
NO.: 3017
CLASS: 6.1
PACKAGING GROUP: III
PRIMARY HAZARD: Toxic

REGULATORY INFORMATION

NA

OTHER INFORMATION

Section(s) Revised : New Format