

SHEET NUMBER: BES/SA 0100

MSDS DATE: 12/02/2011

HAZARDOUS INGREDIENTS - TABAKSKERM - 100g/l vlv

ACTIVE INGREDIENT CONTENT : 5,0% m/v org 50g/l

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

COMMERCIAL NAME : TABAKSKERM

COMPANY IDENTIFICATION : DEGESCH SA (PTY) LTD
REG NO. 1976/000348/07
P.O. BOX 223, ISANDO. 1600

EMERGENCY NUMBER : +27 11 974 2338
+27 11 974 1987

MATERIAL OR COMPONENT	CAS NO	% CONTENT	HAZARD DATA
Pyrethrum Technical (AI)	52645-53-1	92,5%w/w Minimum	Presence of no specific hazardous ingredient

2 COMPOSITION/INFORMATION OF THE PRODUCT

CAS REG NO : PERMETHRIN:5264-53-1

OTHER DESIGNATIONS : Product is chemically an ultra low volume parathyroid insecticide based on 50g/l pyrethrum the solvent is high boiling hydrocarbon with low aromatic content.

DESCRIPTION : A clear, straw-colored liquid.

3 HAZARD IDENTIFICATION OF THE PRODUCT

Harmful if swallowed
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4 FIRST AID MEASURES

ACUTE SYMPTOMS:

SKIN CONTACT : Contact with the liquid may cause irritation, redness discomfort, sensitization and/or dermatitis on sensitive skin.

EYE CONTACT	: Irritating, may cause redness, pain and blurred vision.
INGESTION AND OVER-EXPOSER	: The toxin affects the central nervous system, may cause sensation in the mouth, numbness of the lips and tongue, headache, tremors, nausea, abdominal pain, vomiting, diarrhea, anaphylaxis and/or convulsions, allergic reaction may be delayed. The solvent may be aspirated into the reparatory tact.
INHALATION	: Prevent inhalation of the vapor mist. The solvent vapor may cause transient euphoria, headache drowsiness and vomiting. Persons sensitive to pollen are prone to allergic reaction to parathyroid's.

4.1 FIRST AID TREATMENT

SKIN CONTACT	: Remove contaminated clothing, rinse the affected areas with plenty of soap and cool water or shower.
EYE CONTACT	: Immediately wash eyes with copious amounts of clean water for at least 15 minutes, cover with a sterile pad, contact a doctor.
INGESTION AND OVER EXPOSURE	: Keep patient calm and reassured, rinse mouth with water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouth piece.
INHALATION	: Immediately remove patient from source of poisoning to well ventilated area and keep him quiet and reassured. If necessary administer artificial respiration and oxygen or closed chest cardiac massage.
NOTE TO PHYSICIAN	: No specific antidotes known. Symptomatic treatment and supportive therapy as indicated.

SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO A MEDICAL PRACTITIONER

5 FIRE FIGHTING MEASURES

FIRE	: The material is flammable. Flash point: about 77°C (closed cup).
EXPLOSIVE	: Dangerous hazard when exposed to heat, flame sparks or oxidizing agents. Explosive in the form of vapor if exposed to heat or flame.

PERSONNEL INVOLVED IN A FIRE SITUATION WITH THIS MATERIAL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AS TOXIC FUMES MAY BE GIVEN OFF. NO UNPROTECTED PERSON SHOULD BE ALLOWED IN THE VICINITY. PYRETHRUM DECOMPOSES IN A FIRE TO EMIT TOXIC FUMES OF CT. THE SOLVENT EMITS ACID SMOKE AND IRRITATING FUMES.

FIRE EXTINGUISHING AGENTS TO BE USED : Foam, CO2 or dry chemicals
Contain run-off with temporary earth barriers. The product is very toxic to aquatic organisms.

6 ACCIDENTAL RELEASE MEASURES

Soak up spillage with dry sand, sweep up carefully and dispose of as for toxic and flammable waste in accordance with local/national regulations.

Protective clothing to be worn when clearing spillage.

7 HANDLING AND STORAGE

STORAGE : Store under lock and key, out of reach of children and pets. Store in a cool, dry place away from sources of heat and naked flames. Store away from farm food, feedstuffs, eating utensils and drinking water.

CLEANING OF EQUIPMENT AFTER USE : Clean protective clothing, used protective clothing and the workers personal clothing shall be kept apart. At the end of each day, all protective clothing and respirators shall be decontaminated, washed, rinsed and dried. Extra care must be taken when cleaning equipment after use.

HANDLING PRECAUTIONS : Do not treat in the presence of food, feed, preparation and/or food handling surfaces. Cover these before treatment and do not remove covers within 3 hours after treatment. Do not spray onto plants. Switch off all electrical appliances. During application and when

cleaning equipment and protective clothing, contamination of all sources of drinking water, rivers, dams, crops and grazing shall be prevented. The product is toxic to fish, bees and wildlife.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE CLOTHING

MIXING OF CONCENTRATE	: Gloves & face shield.
APPLICATION	: Gloves & face shield.
MANUFACTURE	: Gloves, face shield, respiratory protection and protective clothing.
EMERGENCY	: Nit rile rubber gloves, safety goggles and face shield, effective respiratory protection, full length protective clothing and boots.

9 **PHYSICAL AND CHEMICAL PROPERTIES**

DESCRIPTION	: A clear, straw-colored liquid.
SOLUBILITY	: Pyrethrum is slightly soluble in water.
CORROSIVENESS	: For the product avoid excessive wetting of plastic, rubber and asphalt surfaces.
FLASH POINT	: About 77°C (closed cup)
DEGRADATION	: For pyrethrum in soil and water, degradation is rapid, half-life in soil less that 38 days.

10 **STABILITY AND REACTIVITY**

11 **TOXICOLOGICAL INFORMATION**

TOXICITY	: The product may be harmful if inhaled, ingested and/or on skin contact.
LD ACUTE ORAL, RATS	: 430 to 4000mg/kg
LD ACUTE PERCUTANEOUS, RAT	: > 4000 mg/kg
LD ACUTE PERCUTANEOUS, RABBIT	: > 2000 mg/kg
LC (4 HOURS) ACUTE INHALATION, RATS	: 2,3mg/1 AIR

12 **ECOLOGICAL CONSIDERATION**

TOXICITY TO FISH	: (Pyrethrum)
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LC (96 hours) for Rainbow trout is 0.009mg/l

13 **DISPOSAL CONSIDERATIONS**

DISPOSAL OF RESIDUE : Residue may be disposed of as for toxic and flammable waste in accordance with local/national regulations.

DISPOSAL OF USED PACKAGING MATERIAL : Empty containers to be disposed of as toxic and flammable waste in accordance with local/national regulations. DO NOT re-use for any other purposes.

14 **TRANSPORT INFORMATION**

UN NUMBER : 3082

CLASS : 9

IMDG : -

EMS : -

MFAG : -

SUBSIDIARY : °

PACKING GROUP : III

DECLARATION FOR LAND SHIPMENT : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

DECLARATION FOR SEA SHIPMENT : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

DECLARATION FOR SHIPMENT BY AIR : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

15 **REGULATORY INFORMATION**

RISK PHRASES : R36/38, 51, 55, 57

SAFETY PHRASES : S 1/2, 13, 23, 36

WHO CLASSIFICATION : II (Moderately hazardous)

16 **OTHER INFORMATION**

The data given is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regards to the products properties. Consult the label for instructions for use.

THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO IT'S SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

This sheet complements the technical sheet of use but does not replace is. The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.