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MATERIAL DATA SAFETY SHEET

TERMITE STOP

COMPANY DETAILS:

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1. PRODUCT IDENTIFICATION:

Trade Name: Termite stop
Chemical Family:
Chemical Name: Disodium hexafluorosilicate; sodium fluorosilicate
Molecular Formula: F_6Na_2Si
UN No.: 2674
C.A.S. Nr.: [16893-85-9]
Description of product: A ready to use bait with stomach action for the control of the harvester termite, *Hodotermes mossambicus*.

2. COMPOSITION:

<u>Hazardous Components:</u>	Sodium fluorosilicate	50 g/kg
	Inert ingredients	950 g/kg

3. PHYSICAL AND CHEMICAL CHARACTERISTICS:

Appearance: Brown pellets
Odour: N/A
Solubility: In water 6.5 g/l (17.5 °C). Very slightly soluble in ethanol.
pH: Not determined.

4. FIRE AND EXPLOSION HAZARD:

<u>Flash Point:</u>	N/A
<u>Flammability:</u>	None established
<u>Auto ignition Temperature:</u>	Not available
<u>Decomposition temperature:</u>	Not available
<u>Acute Hazards:</u>	Unlikely in normal use.
<u>Fire extinguishing media:</u>	Considered non- flammable; active ingredient will burn in fire situation. Dry chemical, CO ₂ , Foam; Water spray or fog.
<u>Special fire fighting procedures And special protective clothing:</u>	For small fires, use dry chemical, CO ₂ Halon, water spray or standard foam. For large fires, use water spray, fog or standard foam. Move container from fire area if possible without risk. Fight fire from maximum distance. Stay away from ends of tank. Dike fire control water for later disposal, do not scatter the material. Keep unnecessary people away and isolate hazard area and deny entry. Stay upwind, keep out of low areas and ventilate closed spaces before entering. Positive pressure self-contained breathing apparatus (SCBA) and chemical protective clothing that is specifically recommended by the shipper or manufacturer may be worn. It will provide little or no thermal protection. Structural fire-fighter's protective clothing is NOT effective with these materials. Remove and isolate contaminated clothing at the site.

5. REACTIVITY DATA:

<u>Stability:</u>	Stable
<u>Conditions to avoid:</u>	Excessive heat
<u>Compatibility:</u>	
<u>Hazardous decomposition products:</u>	
<u>Conditions to avoid:</u>	None known

6. WARNINGS:

Poisonous if taken internally.
Store under lock and key away from children, animals, food and feedstuffs, seed and fertilisers.
Store in a dry, cool, well –ventilated area out of direct sunlight.

7. HEALTH HAZARD DATA: (Acute Hazards & Symptoms)

<u>Effects of overexposure:</u>	Toxic by inhalation, in contact with skin and if swallowed. Salivation, nausea, vomiting, diarrhoea and abdominal pain. Later weakness, tremors and convulsions occur and shock. Death caused by respiratory paralysis or cardiovascular collapse. Watch for tetany paresthesias, carpopedal spasm and other evidence of hypocalcemia.
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8. EXPOSURE CONTROLS /PERSONAL PROTECTION:

<u>Inhalation:</u>	Avoid inhalation. Use in well –ventilated areas, wear suitable approved respiratory equipment.
<u>Skin:</u>	Wear protective clothing and impervious gloves. Wash contaminated clothing before re –use. Keep working clothes separately and do not take home. Good personal hygiene practices should always be followed.

<u>Eyes:</u>	Avoid contact with eyes. Wear safety goggles. Normal industrial eye protection practices should be employed.
<u>Ingestion:</u>	Keep away from food and feedstuffs. Do not eat, drink or smoke whilst handling this product. Wash hands and face before eating and drinking.

9. FIRST AID MEASURES:

<u>Inhalation:</u>	Remove patient from source of poisoning to well –ventilated area and keep him quiet and reassured. If breathing stops, administer artificial respiration.
<u>Skin:</u>	Immediately remove contaminated clothing, including shoes. Flush body with plenty of water for at least 15 minutes.
<u>Eyes:</u>	Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.
<u>Ingestion:</u>	Keep patient calm and reassured, rinse mouth with water. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth-to-mouth respiration; use a disposable protective mouthpiece. SEEK MEDICAL ASSISTANCE.

NOTE TO PHYSICIAN:

Urinary fluorides. Contact laboratory for specific procedures. Give calcium salts in form of milk, gluconate, lime water or lactate. Induce emesis or lavage, give oral lime water, aluminium hydroxide gel or milk at frequent intervals. Inject 10 ml of 10% calcium gluconate iv, treat shock, norepinephrine may be useful; oxygen; support respiration. Correct dehydration and maintain adequate urinary output with iv fluids. Treat symptomatically and supportive.

SEEK MEDICAL ADVISE PROMPTLY AND SHOW THIS MSDS TO MEDICAL PRACTITIONER

10. ACCIDENTAL RELEASE MEASURES:

Breathing apparatus and protective gloves (avoid spillage from entering drains or watercourses).
PRECAUTIONS: Restrict access to area. Provide adequate protective equipment and ventilation. Remove sources of heat and flame. Notify occupational and environmental authorities.
SPILL OR LEAK: Do not touch spilled material. Stop leak if it can be done without risk. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. For small dry spills: use a clean shovel to place material into clean dry container and cover. Dike far ahead of liquid spill for later disposal in case of a large spill.

11. HANDLING AND STORAGE:

Dispose according to local regulations. Do not contaminate water, food or feed by storage or disposal. Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment. Store in a secure, dry, well-ventilated separate room, building/covered area. Keep away from sources of ignition and protect from exposure to fire and heat. Separate from strong oxidants, food and foodstuffs. Do not eat, drink or smoke whilst applying, or washing hands and face or change of clothing. Destroy empty container by perforation and never use for any other purpose.

12. DISPOSAL CONSIDERATION:

Disposal method - Product: There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the

authorities in charge or approved waste disposal companies which will advise on the disposal of special waste.

Disposal method – Packaging: Disposal in accordance with local legal provisions.

13. TRANSPORTATION DATA:

Hazardous description label:	Pesticide, solid. Keep away from foodstuff. Do not transport with food and feedstuff.
UN No:	2674
Hazchem code:	1z
EAC:	55
ERG No:	154
IMDG code:	6159,1
IMDG Packaging group	III
Marine pollutant:	Yes
Class:	Class: 6,1 Poison Group III
Subsidiary Risk:	None

14. ENVIRONMENTAL DATA:

This substance may be hazardous to the environment; special attention should be given to fish, honeybees.

LD₅₀ (TECHNICAL): 125 mg/kg (rats) Oral

15. OTHER INFORMATION:

HARFUL IF SWALLOWED.
HARMFUL IF INHALED
MAY CAUSE SKIN IRRITATION ON PROLONGED, REPEATED SKIN CONTACT.
AVOID BREATHING OF CHEMICAL.

FIRST AID: IF SWALLOWED CALL DOCTOR IMMEDIATELY.
NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON.
IF INHALED, REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION AND CALL A DOCTOR.
IN CASE OF SKIN CONTACT, WASH CONTAMINATED AREAS WITH SOAP AND WATER.
REMOVE CONTAMINATED CLOTHING. WASH BEFORE RE –USE.

16. REGULATORY INFORMATION:

Registered in the Republic of South Africa.