

MATERIAL SAFETY DATA SHEET

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NIMBUS

Manufactured & Distributed by:

Synvita CC

Registration Holder:

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1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Name:	Nimbus
Appearance:	Clear, honey-coloured, liquid
Use:	Control of stored product pests & public health insects
SA Registration Number:	L8012 of Act 36 of 1947
Namibia Registration Number:	N-AR1215
Zimbabwe Registration Number:	15-D—57-92

2) COMPOSITION / INFORMATION ON INGREDIENTS

Pyrethrum:	Natural Pyrethrin	CAS No.: 8003-34-7
Piperonyl Butoxide:	Synergist	CAS No.: 51-03-6

Ingredients not precisely identified are proprietary or none hazardous.

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3) HAZARDS IDENTIFICATION

Hazards: Product contains pesticide active ingredients that are poisonous. Avoid contact with the contents and prevent contamination of foodstuffs and water.

Contains: Pyrethrins and Piperonyl Butoxide.
Nature of Hazard: Moderately hazardous if inhaled, swallowed and on skin contact. Contact with substance may cause irritation, redness and discomfort and dermatitis on sensitive skin.

ACUTE SYMPTOMS OF INTOXICATION:

Skin contact: Avoid contact with the liquid or spray mist; may cause irritation, redness and discomfort and dermatitis on sensitive skin.
Eye contact: Contact with the liquid or spray mist may be irritating, causing redness, pain and blurred vision.
Ingestion and overexposure: The toxin affects the central nervous system; may cause numbness of lips and tongue, headache, nausea, vomiting, diarrhoea and/or convulsions; allergic reactions, which may be delayed for several hours.
Inhalation: Prevent excessive inhalation of spray mist; may cause headache, sneezing, nausea, sore throat, coughing, shortness of breath, dizziness, dullness and/or respiratory distress. Persons sensitive to pollen are prone to allergic reactions to pyrethrins.

4) FIRST AID MEASURES

Eye: Wash thoroughly with clean water for 15 minutes
Skin: Wash thoroughly with soap and water. Do not rub skin hard
Ingestion: Seek Medical attention immediately
Inhalation: Avoid excessive inhalation. Remove person to a well ventilated area

If misuse of this product results in accidental illness **SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO THE MEDICAL PRACTITIONER**

5) FIRE FIGHTING MEASURES

Specific Hazard: Contents are combustible but not volatile.
Decomposition of Product in Fire: Under thermal decomposition may emit irritating and toxic fumes.
Fire Extinguisher Agents: Foam
Protection For Fire-fighters: Chemical impermeable gloves, safety goggles or face shield, effective protection or self-contained breathing apparatus as dictated by circumstances, full-length protective clothing and boots.

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Specific Methods: No unprotected person should be allowed in the vicinity. Cool down container with water. Contain spillage using sand or earth barriers or other absorbent materials. Evacuation of area may be necessary in the event of a fire. Decontaminate area thoroughly by removing all spillage.

6) ACCIDENTAL RELEASE MEASURES

PRECAUTIONS

Personal

No unprotected person should be allowed in the vicinity. Chemical impermeable gloves, safety goggles or face shield, effective protection or self-contained breathing apparatus as dictated by circumstances, full-length protective clothing and boots.

Environmental

Take all necessary precautions to protect the contamination of water ways and sewage systems.

Methods For Cleaning

Contain spillage using sand or earth barriers or other absorbent material. Evacuation of area may be necessary in the event of a fire. Decontaminate area thoroughly by removing all spillage. Place in suitable labelled containers.

7) HANDLING AND STORAGE

Handling Warnings

Do not eat or drink or smoke while working with container.

Precautions

Avoid contamination of food, feed stuffs and drinking water.

Storage

Keep at ambient temperature. Protect from direct sunlight and heat. Store in a well ventilated area. Keep away from sparks, ignition, and flames.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

In the manufacturing process minimise exposure in accordance with good hygiene practice. Ensure area is well ventilated and protective clothing is used to protect eyes and body. Suitable dust mask or respirator for pesticides should be used for respiratory protection and eyewash and safety shower should be available in the work area.

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9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, honey-coloured, liquid
Weight:	Varies according to bottle size
Colour:	Clear, honey-coloured
Odour:	Pyrethrin
Flash point:	142 °C

10) STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Incompatibility/ materials to avoid:	Unknown
Hazardous decomposition products:	No composition under normal conditions

11) TOXICOLOGICAL INFORMATION

This product is moderately hazardous if inhaled, swallowed and on skin contact.

Pyrethrins

LD ₅₀ acute oral, rats:	2140 mg/kg – male and 700 mg/kg - female
LD ₅₀ acute dermal, rabbit:	>2000 mg/kg

(Piperonyl Butoxide)

LD ₅₀ acute oral, rats:	>5000 mg/kg
LD ₅₀ acute dermal, rabbit:	>2000 mg/kg

12) ECOLOGICAL INFORMATION

Toxicity to fish: This material is very toxic to fish.

13) DISPOSAL CONSIDERATION

The product and its packaging should be disposed of in accordance with Local Authority legislation

14) TRANSPORT INFORMATION

International Regulations	
UN No:	3082
Class:	9
IMDG:	-
Ems:	-
MFAG:	-

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Subsidiary risk:

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Packing group:

III

Declaration for land shipment:

3082 Environmentally Hazardous Substance, LIQUID , N.O.S.
Pyrethrum Solution

Declaration for sea shipment:

3082 Environmentally Hazardous Substance LIQUID , N.O.S.
Pyrethrum Solution

Declaration for shipment by air:

3082 Environmentally Hazardous Substance LIQUID , N.O.S.
Pyrethrum Solution

Classification 11. (slightly hazardous)

Classified as not dangerous for road and sea transport.

15) REGULATORY INFORMATION

N: Dangerous for the environment.

Safety phrase(s):

S2: Keep out of the reach of children.

S23: Do not breach spray mist.

S24: Avoid contact with the skin.

WHO Classification: II (moderately hazardous)

May irritate skin and eyes.

Do not breathe spray mist excessively and avoid skin contact.

16) OTHER INFORMATION

The data contained herein is based on current knowledge and information on the date of publication and is given in good faith but without warranty. No responsibility is accepted for errors or omissions or the consequences thereof.