

TRANSLATION CERTIFICATION

Date: September 5, 2023

To whom it may concern:

This is to certify that the attached translation is an accurate representation of the documents received by this office. The translation was completed from:

- Portuguese (Brazil)

To:

- English (USA)

The documents are designated as:

- Nimbus MSDS.doc

Oscar Ojeda, Project Coordinator in this company, attests to the following:

"To the best of my knowledge, the aforementioned documents are a true, full and accurate translation of the specified documents."



Signature of Oscar Ojeda

1. PRODUCT AND COMPANY IDENTIFICATION

Product's name: NIMBUS

Company: SYNGENTA Proteção de Cultivos Ltda
SP 332 Highway, km 130.
13140-000 - Paulínia – São Paulo
(19) 3874.5800

Emergency telephone: 0800 704 4304

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance: Mineral oil
Common name: Mineral oil
Synonym: Paraffin oil, White mineral oil
CAS No: 8012-95-1
Class: Aliphatic adjuvant.
Chemical group: Hydrocarbons.
Ingredients or impurities that contribute to the hazard: Mineral oil: 428 g/l.

3. HAZARDS IDENTIFICATION

Most important hazards: Environmental risk.
Product effects
Adverse effects on human health: Non-irritating to skin and eyes.
Toxicological classification IV – Slightly toxic.
Environmental effects: This product is HIGHLY PERSISTENT in the environment.
This product is HIGHLY TOXIC to aquatic organisms.
Classification of the potential for environmental hazard III – Product hazardous to the environment.
Specific hazards: Combustion or thermal decomposition may generate toxic or irritating vapors.

4. FIRST AID MEASURES

First aid measures

Inhalation: Look for an airy place and go to the doctor taking the product label or leaflet.
Skin contact: Wash the affected parts with plenty of water for 20 minutes, seek medical attention with the product's package, label or package leaflet.
Eye contact: Wash them with plenty of water for 20 minutes, seek medical attention with the product's package, label or package leaflet.
Ingestion: Do not induce vomiting and seek medical attention immediately with the product's package, label or package leaflet.
Notes to doctor: If gastric or intestinal lavage is necessary, inhalation of gastric contents should be prevented, especially if the patient is unconscious. Symptomatic treatment.

5. FIRE FIGHTING MEASURES

Means of suitable extinguishing: On small fires, use foam, carbon dioxide, dry chemical. For large fires, use

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foam or water fog.

Specific hazards: Combustion gives off toxic and irritating fumes.

Protection of firefighters: Wear full protective clothing and self-contained breathing apparatus.

6. CONTROL MEASURES FOR SPILLS OR LEAKS

Personal precautions

Ignition source removal:

Non-flammable product.

Dust control:

Not applicable, liquid product.

Prevention of inhalation and contact with skin, mucous membranes and eyes:

Use personal protective equipment – PPE: PVC overalls, rubber gloves and boots, protective glasses and mask against possible vapors.

Environmental precautions:

In case of spillage, stop the flow, not allowing the product to enter manholes, drains or bodies of water.

Cleaning methods:

Paved floor: Absorb the product with sawdust or sand, pick the material with the help of a shovel and place it in sealed and duly identified containers. The spilled product should not be used again. In this case, contact SYNGENTA Produção de Cultivos Ltda., so that the collection may be carried out. Soil: Remove the layers of contaminated soil until reaching the uncontaminated soil, collect this material and place it in a sealed and properly identified container. Contact SYNGENTA Produção de Cultivos Ltda. as indicated above.

7. HANDLING AND STORAGE

Handling

Technical measures:

Product for exclusive agricultural use.

Precautions for safe handling:

Do not transport the product with food, medicine, feed, animals and people. Wear overalls with long sleeves, face mask, wide-brimmed waterproof hat, eye protection, gloves and waterproof apron. Do not eat, drink or smoke while using the product. Do not use equipment with leaks. Do not unclog spouts, orifices and valves with your mouth.

Guidance for safe handling:

Avoid contact with skin and eyes. Wash face and hands after eating, drinking or smoking.

Storage

Appropriate technical measures:

In the case of larger warehouses, the instructions contained in NBR 9843 of the Brazilian Association of Technical Standards (Associação Brasileira de Normas Técnicas – ABNT) must be followed.

Suitable storage conditions:

Keep in original packaging, always closed, away from children. Keep isolated from food, drink, feed or other materials.

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Incompatible products and materials: The place must be exclusive for toxic products, and must be isolated from food, drink, feed or other materials.

Safe packaging materials Recommended:

Plastic packages.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering control measures:

Work in a location with adequate ventilation and exhaustion.

Appropriate personal protective equipment

Hand protection: Waterproof gloves.

Eye protection: Safety glasses.

Skin and body protection: Protective clothing and boots.

Hygiene measures: Do not eat, drink or smoke while handling the product. Wash yourself after handling, especially before meals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Color: Light yellow.

Odor: NA

pH: 5.0 - 7.0

Boiling point: > 54°C.

Flash point: 106°C.

Explosive limits

Superior inferior: Not explosive.

Solubility: Miscible in water.

Density: 0.86 - 0.87 g/ml (20°C).

10. STABILITY AND REACTIVITY

Specific conditions

Instability: Stable under normal storage conditions.

Hazardous reactions: There is no risk of polymerization.

Hazardous decomposition

products: Combustion or thermal decomposition may release toxic and irritating vapors.

11. TOXICOLOGICAL INFORMATION

Information according to the different routes of exposure

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Acute toxicity: Oral LD50 (rats) > 4000 mg/kg.
Dermal LC50 (rats) > 4000 mg/kg.
Local effects: In tests with laboratory animals, when the product was applied to the eyes of rabbits, it did not cause harmful irritation to the eyeball. The product was not irritating when applied to the dermis of rabbits.

12. ECOLOGICAL INFORMATION

Environmental effects,
product behaviors and
impacts

Persistence/degradability: This product is HIGHLY PERSISTENT in the environment.

Ecotoxicity: This product is HIGHLY TOXIC to aquatic organisms.

13. CONTROL OVER TREATMENT AND DISPOSAL

Methods of treatment and
disposal

Product: If this product becomes unfit for use or in disuse, consult SYNGENTA for the return and final disposal.

Product residues: Improper disposal of empty packaging and product residues in the environment causes soil, water and air contamination, harming the fauna, flora and people's health.

Used packaging: Within a period of up to one year from the date of purchase, it is mandatory for the user to return the empty packaging, with lid, to the establishment where the product was purchased or to the place indicated on the invoice, issued at the time of purchase. If the product has not been used within that period, and is still within its validity period, the return of the packaging will be allowed within 6 months after the expiration date. The user must keep the proof of return for inspection purposes, for a minimum period of one year after returning the empty package. Burial of packaging is prohibited. The final destination of empty packages, after the return by the users, may only be carried out by SYNGENTA Produção de Cultivos Ltda., or by companies legally authorized by the competent bodies. The user is prohibited from reusing and recycling this empty packaging or from dividing and repackaging this product.

14. TRANSPORT INFORMATION

National and international
regulations:

Product not restricted for transport.

15. REGULATIONS

National regulations: Law 6,360 of 09/23/76 and Decree 79,094 of 01/05/1977.

16. OTHER INFORMATION



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Bibliographic references: MSDS – Syngenta Proteção de Cultivos Ltda. and label/leaflet.
Other information: Limitations and Warranties:
The information contained in this sheet corresponds to the current state of this product's national and international technical-scientific knowledge. The information is provided in good faith for guidance only and the user is responsible for using it in accordance with applicable federal, state and local laws and regulations.