

**NOMIX ENVIRO MATERIAL SAFETY DATA SHEET
HILITE**

Physician:

No specific antidote. This product is not an inhibitor of cholinesterase, and treatment with atropine and oximes is not indicated. Treat symptomatically.

5. FIREFIGHTING RELEASE MEASURES

Unusual hazards:

Material burns to give toxic fumes.

Extinguishing media:

Extinguish with dry chemical, foam, waterspray, CO₂. Firefighters, and other exposed, wear self contained breathing apparatus. Thoroughly clean equipment after use.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protection recommended in section 8.

Environmental precautions :

Contain liquid spillage with sand or other means to prevent entry into drains.

Methods for cleaning up:

Absorb in earth or sand. Sweep up into containers for disposal. Dig up heavily contaminated soil and place in drums. (Refer to section 10 for types of containers and drums) Wash spill area with soap and water. Refer to section 13 for disposal of spilled material.

7. HANDLING AND STORAGE

Handling:

Good industrial practice in housekeeping and personal hygiene should be followed.

Wear suitable protective clothing (coveralls, suitable protective gloves) and rubber boots during application. Do not breath fumes, vapour or spray. When using do not eat, drink or smoke. Wash hands immediately after handling. Wash contaminated clothing before reuse. Thoroughly clean equipment after use.

Storage:

Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Keep at temperature not exceeding 30°C. Store above 0°C. Keep container tightly closed. Keep only in the original container. Do not re-use container for any other purpose.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:

Not applicable

Engineering measures:

See section 10 - "Materials to avoid" for equipment.

Respiratory protection:

If exposed to vapour or spray, wear suitable respiratory protective device. However this requirement should not arise in normal use.

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Hand protection:

Wear suitable protective (eg nitrile) gloves.

Eye protection:

No special requirement when used as recommended.

Skin protection:

Wear suitable protective clothing (coveralls, suitable protective gloves) and rubber boots during application.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque
Colour	:	White liquid
Odour	:	Oil-like
Flash Point	:	97 °C.
Specific Gravity	:	0.97 (at 20°C)
Solubility in water	:	Immiscible - disperses

10. STABILITY AND REACTIVITY

Conditions to avoid:

Not applicable.

Materials to avoid:

Galvanised steel or unlined steel (except stainless steel). Keep in the original container.

11. TOXIC HAZARD

Laboratory data:

The toxicological information given here is not necessarily exhaustive but is representative of relevant, reliable data. All tests were conducted following OECD guidelines for Good Laboratory Practices (GLP).

Formulation:

Acute oral toxicity LD₅₀ (rat) : > 5 000 mg/kg. Practically non harmful by ingestion.

Acute dermal toxicity LD₅₀ (rabbit) : >2 000 mg/kg. Practically non harmful by skin absorption.

Practically non irritating to eyes

Slightly irritating to skin

Not a skin sensitiser

Active Ingredient:

Test on glyphosate showed that it did not cause any mutagenic, carcinogenic, teratogenic or adverse reproductive effects. It is not neurotoxic and does not inhibit cholinesterase.

Human Experience:

If swallowed, may cause gastrointestinal tract irritation (discomfort, nausea, vomiting, diarrhoea).

Other Ingredients:

Mineral oils may cause defatting of the skin and subsequently dermatitis in the event of repeated skin contact.

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12. ECOLOGICAL INFORMATION

Aquatic toxicity:

96 hour LC₅₀: Rainbow Trout = > 150 mg/l.

48 hour LC₅₀: Daphnia magna = 0.52 mg/l (nominal)

72 hour EC₅₀: Algae (selenastrum capricornutum) = > 150 mg/l.

No Observable Effect:

Concentration (NOEL): Algae (selenastrum capriocornutum) = 68 mg/l.

Other Wildlife toxicity:

Tests in a variety of mammalian, avian and aquatic species have shown that Glyphosate does not bio-accumulate. Mineral oils are harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product:

Absorb in earth or sand. Shovel up into covered containers for disposal. Dig up heavily contaminated soil and place in drums. (Refer to section 10 for types of containers and drums). Send to special chemical waste disposal facility or burn only in special, controlled high temperature incinerator. Do not empty into drains. Flush spill area with water.

Container:

Empty container completely before disposal. Dispose of container through a reputable waste disposal contractor. Do not contaminate waterways, ponds or ditches with waste product or container. All local and national regulations should be followed.

14. TRANSPORT INFORMATION

ADR Class/Conveyance class: 9
Packing group: III
UN No: 3082
Environmentally Hazardous Substance

15. REGULATORY INFORMATION

Hazard Symbol: N, Dangerous for the environment

Risk Phrases: R50 Very toxic to aquatic organisms.

R53 May cause long term adverse effects in the aquatic environment

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16. OTHER INFORMATION

The information contained within this Material Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other national health and safety legislation such as the Health and Safety at Work Act (1974) and the Control of Substances Hazardous to Health Regulations (1988 and subsequent amendments).

Read the label before you buy: Use pesticides safely.

Date of MSDS Review : 02.01.08 Supersedes MSDS Dated : 19.06.06

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