

NOMIX ENVIRO MATERIAL SAFETY DATA SHEET
HILITE

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1. IDENTIFICATION

Preparation : **HILITE**

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2.COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient: Isopropylamine salt of N-(phosphonomethyl)glycine;
{Isopropylamine salt of glyphosate}

Chemical Name	No. CAS No.EINECS Index No.	Hazard Symbol(s) & Risk Phrase(s)				Concentration (%)
		67/548/EEC		CLP: EC1272/2008		
Isopropylamine salt of N-(Phosphonomethyl)Glycine (Contains 192g/l of the Isopropylamine salt of Glyphosate equivalent to 144 g/l glyphosate)	38641-94-0 254-056-8 015-184-00-8	N	R 51/53	Aquatic Chronic 2	H411	20.1
Other formulating ingredients including mineral oils		Xi	R66		EUH066	79.9

Composition:

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

Chronic aquatic toxicity (Category 2)

Classification according to EU Directive 67/548/EEC or 1999/45/EC

Toxic to aquatic life, may cause long-term adverse effects in the aquatic environment.

Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

Pictogram(s)



Signal word

Warning

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Hazard statement(s) H410 Very toxic to aquatic life with long lasting effects

Precautionary statements(s)

P273 Avoid release to the environment.
P280 Wear protective gloves.
P391 Collect spillage.
P501 Dispose of contents/container to a licensed waste-disposal contractor in accordance with 'The Waste Management Regulations (England & Wales) Regulations 2006'.

Supplemental Hazard statements None

Labelling according to EU Directive 67/548/EEC or 1999/45/EC

Hazard Symbol(s): N, Dangerous for the environment

Risk Phrase(s): R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Safety Phrase(s):

S29/35 Do not empty into drains; dispose of this material and its container in a safe way.
S36./37 Wear suitable protective clothing and gloves.
S57 Use appropriate containment to avoid environmental contamination.
S61 Avoid release to the environment.
Refer to special instructions/Safety data sheets.
SP1 Do not contaminate water with the product or its container. Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads.

Other Hazards Potential for defatting of the skin with prolonged exposure due to mineral oils in formulation therefore use of gloves is advised.

4. FIRST-AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

Inhalation:

If inhalation of vapour, mists or fumes causes irritation of the nose or throat, or coughing remove patient to fresh air. If irritation persists obtain medical advice.

Skin contact:

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Remove contaminated clothing immediately. Wash contaminated skin immediately with plenty of soap and water. If irritation persists get medical attention.

Eye Contact:

Flush immediately with plenty of water, for at least 15 minutes. If pain, redness or irritation persists, get medical attention.

Ingestion:

If oral contamination occurs, wash out mouth with water. If swallowed do not induce vomiting, seek medical advice immediately and show the container, label or this data sheet.

Medical Advice:

Over exposure symptoms: No symptoms diagnostic of systemic poisoning with this product.

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 breathe 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:

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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.

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	: Immisible - disperses

10. STABILITY AND REACTIVITY

Conditions to avoid:

Not applicable.

Materials to avoid:

Galvanised steel or unlined steel containers (except stainless steel).

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.

Acute dermal toxicity LD₅₀ (rabbit) : >2 000 mg/kg.

Non-irritating to eyes (rabbit) for purposes of classification.

Non-irritating to skin (rabbit) for purposes of classification.

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No sensitising potential in Guinea pigs.

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.

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

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15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. OTHER INFORMATION

Text of H code(s) and R phrase(s) mentioned in section 3

EUH066 Repeated exposure may cause skin dryness or cracking

Due to mineral oil component use of gloves is advised to prevent possible defatting / dermatitis from prolonged skin contact.

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 (2002 and subsequent amendments).

Date of MSDS Review : 14.10.14

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