
1. IDENTIFICATION**Preparation**: **HILITE****Supplier**: Nomix Enviro Ltd, Portland Building,
Portland Street, Staple Hill, Bristol BS16 4PS.
Tel. 0117 9574 574 Fax. 0117 9563 461**Chemical Emergency Agency Service (24 hr):**Tel. 01865 407 333

2. COMPOSITION/INFORMATION ON INGREDIENTS**Composition:**

ISOPROPYLAMINE SALT OF N-(PHOSPHONOMETHYL) GLYCINE

CAS No. 38641-94-0

EINECS NO. 254-056-8

18.3%

(Contains 192g/l of the Isopropylamine salt of Glyphosate equivalent to 144 g/l glyphosate)

Other formulating ingredients

81.7%

Registration No:**06261**

3. HAZARDS IDENTIFICATION**Human health effects:**

On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

Environmental effects:

When recommended use instructions are followed no adverse effects are expected.

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:

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.

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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 gloves and face protective clothing (impermeable coverall or impermeable trousers and rubber boots) when applying the product. 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.

Hand protection:

Wear impermeable gloves.

Eye protection:

No special requirement when used as recommended, use face protection when connecting container to equipment.

Skin protection:

Wear suitable impermeable protective clothing and impermeable boots when handling the container.

Wear trousers outside boots.

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 and hazardous decomposition products:

Avoid contact with galvanised steel or unlined steel (except stainless steel) as the material will react with such materials to produce hydrogen, an explosive gas. 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 (rabbit-24-hr exposure: score from 24 + 48 + 72 hr readings) = 0/110.

Slightly irritating to skin (rabbit-4 hr exposure: score from 24 + 72 hr readings) = 1.8/8.

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.

12. ECOLOGICAL INFORMATION

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

15. REGULATORY INFORMATION

This product is covered by the Control of Pesticides Regulations (1986) and has been labelled in accordance with these regulations. The following safety phases have been assigned by the Pesticide Safety Directorate of the Ministry of Agriculture, Fisheries and Food:

Risk Phrases **R52 harmful to aquatic organisms.**

Safety Phrases:

Wear suitable protective gloves and face protection (faceshield) when handling the concentrate or connecting container to equipment.
Wear suitable protective clothing (impermeable coverall or impermeable trousers and rubberprotective gloves and face protection (faceshield) when applying the product.
Wash all protective clothing thoroughly after use, especially the inside of gloves.
When using do not eat, drink or smoke.
Keep out of reach of children.
Keep away from food, drink and animal feeding stuffs.
Wash any contamination from skin or eyes immediately.
Do not breathe spray.
Keep only in the original container.
Empty container completely and dispose of safely.

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).

Read the label before you buy: Use pesticides safely.

Date of MSDS Review : 16.07.04 Supersedes MSDS Dated : 20.11.03

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