

# NOMIX ENVIRO MATERIAL SAFETY DATA SHEET

## NOMIX BLADE

Page 1 of 6

### 1. IDENTIFICATION

**Preparation** : **NOMIX BLADE**

**Supplier** : Nomix Enviro, A Division of Frontier Agriculture,  
The Grain Silos, Weyhill Road, Andover,  
Hampshire, SP10 3NT.  
Tel: 01264 388050

**Chemical Emergency Agency Service (24 hr):** Tel. 01865 407 333

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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

#### Composition:

Chemical Name	No. CAS No.EINECS Index No.	Hazard Symbol(s) & Risk Phrase(s)				Conc. (%) w/w
		67/548/EEC		CLP: EC1272/2008		
Isopropylamine salt N-(phosphonomethyl) Glycine equivalent to 120 g/l glyphosate)	38641-94-0  254-056-8  015-184-00-8	N	R 51/53	Aquatic Chronic 2	H411	16.8
Sulfurosfuron	141776-32-1	N	R 50/53	Aquatic Acute/ Chronic 1	H400 H410	0.23
Other formulating ingredients including mineral oils	616-109-00-7	Xi	R66		EUH 066	to 100

**NOMIX ENVIRO MATERIAL SAFETY DATA SHEET**  
**NOMIX BLADE**

Page 2 of 6

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**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 organisms, 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

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/protective clothing/eye protection.  
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.

# NOMIX ENVIRO MATERIAL SAFETY DATA SHEET

## NOMIX BLADE

Page 3 of 6

S36/37/39 Wear suitable protective clothing/gloves/eye protection.  
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.

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#### 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.

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#### 5. FIREFIGHTING RELEASE MEASURES

**Unusual hazards:**

Packaging burns to give toxic fumes.

**Extinguishing media:**

Extinguish with dry chemical, foam, waterspray, CO<sub>2</sub>. Firefighters, and other exposed, wear self-contained breathing apparatus. Thoroughly clean equipment after use.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protection recommended in section 8.

# NOMIX ENVIRO MATERIAL SAFETY DATA SHEET

## NOMIX BLADE

Page 4 of 6

### 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.

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## 7. HANDLING AND STORAGE

### Handling:

Good industrial practice in housekeeping and personal hygiene should be followed. Do not breath gas, fumes, vapour or spray. When handling 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. Do not re-use container for any other purpose.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure limits:

None assigned

### 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.

### Skin protection:

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



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	:	Opaque
<b>Colour</b>	:	Cream/brown liquid
<b>Odour</b>	:	Oil-like
<b>Flash Point</b>	:	>100 °C.
<b>Solubility in water</b>	:	Immiscible
<b>Density</b>	:	0.96

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**NOMIX ENVIRO MATERIAL SAFETY DATA SHEET**  
**NOMIX BLADE**

Page 5 of 6

10.

**STABILITY AND REACTIVITY**

**Conditions to avoid:**

Not applicable.

**Materials to avoid:**

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

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11.

**TOXIC HAZARD**

**Formulation:**

(By calculation)

Acute oral toxicity LD<sub>50</sub> (rat) : > 5 000 mg/kg.

Acute dermal toxicity LD<sub>50</sub> (rabbit) : > 5 000 mg/kg.

**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 LC<sub>50</sub>: Rainbow Trout > 100 mg/l.

48 hour LC<sub>50</sub>: Daphnia magna = 0.093 mg/l

72 hour EC<sub>50</sub>: Algae = 26 mg/l.

EC<sub>50</sub> Lemna = 0.34 mg/l.

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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 to avoid). Send to special chemical waste disposal facility or burn only in special, controlled high temperature incinerator. Do not empty into drains.

**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.

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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.

**NOMIX ENVIRO MATERIAL SAFETY DATA SHEET**  
**NOMIX BLADE**

**Page 6 of 6**

In 2012 UK HSE (CRD) considered effects on non target terrestrial plants and it was concluded that glyphosate containing products should carry the risk mitigation phrase **'Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area'**.

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**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 : 04.12.13

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