

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: MIXTURE B NF
Product code: 8031
Use of substance / preparation: Pesticide adjuvant
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2. HAZARDS IDENTIFICATION

Main hazards: Harmful if swallowed. Risk of serious damage to eyes. Very toxic to aquatic organisms. Vapours may cause drowsiness and dizziness.
Workplace exposure limit: This substance does not have a workplace exposure limit.
PBT: This substance is not identified as a PBT substance.
Directive 1999/45/EC: This preparation meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ALCOHOL ETHOXYLATE 3 30-50%
CAS: 68131-39-5
[Xi] R41; [N] R50

- ALCOHOL ETHOXYLATE 7 30-50%
CAS: 68131-39-5
[Xn] R22; [Xi] R41; [-] R52
- ISOBUTANOL 10-30%
EINECS: 201-148-0 CAS: 78-83-1
[-] R10; [Xi] R37/38; [Xi] R41; [-] R67

4. FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
Exposure hazards: In combustion emits toxic fumes.
Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ISOBUTANOL
UK - 8 hour TWA: 154 mg/m³
UK - 15 min. STEL: 231 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible in all proportions

Viscosity: Slightly viscous

Flash point°C: 62

Relative density: 0.920 - 0.940

pH: 6 - 8 (50 g/L)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Avoid temperature extremes, especially frost and freezing conditions

Conditions to avoid: Heat. Sources of ignition. Flames.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute effects: Harmful if swallowed. Risk of serious damage to eyes.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no:	3082	ADR Class:	9
Packing group:	III	Classification code:	M6
Shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALCOHOL ETHOXYLATE 3; ALCOHOL ETHOXYLATE 7)		
Labelling:	9	Hazard ID no:	90



IMDG / IMO

UN no:	3082	Class:	9
Packing group:	III	EmS:	F-A,S-F
Marine pollutant:	.	Labelling:	9

IATA / ICAO

UN no:	3082	Class:	9
Packing group:	III	Packing instructions:	914
Labelling:	9		

15. REGULATORY INFORMATION

Hazard symbols: Dangerous for the environment.
Harmful.



Risk phrases: R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R50: Very toxic to aquatic organisms.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29: Do not empty into drains.
S39: Wear eye / face protection.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
S23: Do not breathe vapours

Precautionary phrases: Restricted to professional users.

Haz. ingredients (label): ALCOHOL ETHOXYLATE 3; ALCOHOL ETHOXYLATE 7; ISOBUTANOL

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

* indicates text in the SDS which has changed since the last revision.

SAFETY DATA SHEET
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Risk phrases used in s.3: R41: Risk of serious damage to eyes.
R50: Very toxic to aquatic organisms.
R22: Harmful if swallowed.
R52: Harmful to aquatic organisms.
R10: Flammable.
R37/38: Irritating to respiratory system and skin.
R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.