

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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ASULOX

Revision 0
Revision date

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name ASULOX

Type of product and use HERBICIDE.

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2. HAZARDS IDENTIFICATION

Main hazards Very toxic to aquatic organisms. May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
ASULAM	30 - 40%	3337-71-1		Xi;R43

4. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. May cause sensitisation by skin contact.

Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Move the exposed person to fresh air. Seek medical attention.

Ingestion Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon oxides. Alcohol resistant foam. Dry chemical. Water spray.

Not to be used : High volume water jet (risk of propagation of the fire).

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear suitable respiratory equipment when necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Store away from frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.
Hygiene measures	Do not eat, drink or smoke in areas where this product is used or stored. Remove contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Yellowish.
pH	7-8
Water solubility	Miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Avoid extreme high or low temperatures. Direct sunlight.

11. TOXICOLOGICAL INFORMATION

Toxicological information

ASULAM	Dermal Rat LD50 = >2000 mg/kg Oral Rat LD50 = >8000 mg/kg Inhalation Rat LC50/4 h = >1.7 mg/kg
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Acute toxicity	May cause sensitisation by skin contact.
Eye contact	Non irritant (rabbit)
Skin contact	Non irritant (rabbit)
Sensitization	Skin sensitizer (guinea-pig)

12. ECOLOGICAL INFORMATION

Ecotoxicity

ASULAM	Algae EC50/120h = 0.19 mg/l Daphnia LC50/48h = 63.4 mg/l Rainbow trout LC50/96h = >175 mg/l
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General information	Dispose of in compliance with all local and national regulations.
Disposal methods	Dispose of the product in an approved collecting and treating centre of chemical waste, according to local/national regulations.
Disposal of packaging	Dispose of the contaminated packaging in an approved collecting and recycling centre, according to local/national regulations.

14. TRANSPORT INFORMATION**ADR/RID**

UN	3082	Packing group	III
Class	9	Hazard ID	90
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, (ASULAM-SODIUM SALT).		

IMDG

UN	3082	Packing group	III
Class	9	Marine pollutant	NO
EmS Code	F-A S-F		

IATA

UN	3082	Packing group	III
Class	9	Subsidiary risk	-
Packing Instruction (Cargo)	914	Maximum quantity	450 L
Packing Instruction (Passenger)	914	Maximum quantity	450 L

Further information The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.
Symbols Xi, Irritant.N - Dangerous for the environment



Risk phrases R50 - Very toxic to aquatic organisms.
R43 - May cause sensitisation by skin contact.

Safety phrases S24 - Avoid contact with skin.
S35 - This material and its container must be disposed of in a safe way.
S37 - Wear suitable gloves.
S57 - Use appropriate container to avoid environmental contamination.

16. OTHER INFORMATION

Text of risk phrases in Section 3 R43 - May cause sensitisation by skin contact.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.