

SAFETY DATA SHEET

HI GRADE 42-SS

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

AB Ultimate Flux

AB Slotsport
3 St James Terrace
Riding Mill
Northumberland
NE44 6ED

E-mail abslotsport@aol.com

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME:	EINECS	CAS No.:	CONTENT	SYMBOL	RISK:
ZINC CHLORIDE	231-592-0	7646-85-7	30-60 %	C,N	34, 50/53
AMMONIUM CHLORIDE	235-186-4	12125-02-9	10-30 %	Xn	22, 36
HYDROCHLORIC ACID	231-595-7	7647-01-0	1-5 %	C	34, 37

The full text for all R-phrases are shown in section 16

3. HAZARDS IDENTIFICATION:

Causes burns. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES:

GENERAL:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
INHALATION:	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
INGESTION:	DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.
SKIN:	Remove affected person from source of contamination. Important to remove the substance from the skin immediately. Rinse the skin immediately with lots of water. Get medical attention if any discomfort continues.
EYES:	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:

This material is not flammable. Use extinguishing media appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:

DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Gather in poly lined drum. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Eye wash facilities and emergency shower must be available when handling this product.

STORAGE CRITERIA:

Corrosive storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:

ZINC CHLORIDE

AMMONIUM CHLORIDE

HYDROCHLORIC ACID

CAS No.:

7646-85-7

12125-02-9

7647-01-0

STD:

OES

OES

OES

LT EXP. 8 HRS:

1 mg/m³

10 mg/m³

1 ppm

ST EXP. 15 MIN:

2 mg/m³

20 mg/m³

5 ppm

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES:

Use protective gloves.

EYE PROTECTION:

Use approved safety goggles or face shield.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENIC WORK PRACTICES:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:

Liquid.

COLOUR:

Light yellow.

ODOUR/TASTE:

Acidic.

pH-VALUE, CONC. SOLUTION: <1

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable.

CONDITIONS TO AVOID:
Reacts with alkalis and generates heat.

HAZARDOUS DECOMP. PRODUCTS:
Fire creates: Vapours/gases/fumes of: Chlorine.

11. TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS:

SKIN CONTACT. This substance is corrosive. Causes burns.

EYE CONTACT. Causes burns.

INGESTION. May cause burns in mucous membranes, throat, oesophagus and stomach.

RESPIRATORY SYSTEM. Serious damage to the lining of nose, throat and lungs. Swallowing concentrated chemical may cause severe internal injury.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:

Dispose of in accordance with Local Authority requirements. Absorb in vermiculite or dry sand, dispose in licensed special waste.

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



ROAD TRANSPORT:

UN No. ROAD:	1760
ADR CLASS No.:	Class 8: Corrosive substances.
ADR CLASS:	8
ADR PACK GR.	II
ADR LABEL No.:	8
HAZCHEM CODE:	2PE
PROPER SHIPPING NAME I:	ZINC CHLORIDE SOLUTION

RAIL TRANSPORT:

RID CLASS No.:	8
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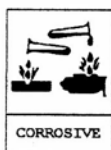
SEA TRANSPORT:

UN No. SEA: 1760
IMDG CLASS: 8
IMDG PACK GR.: II
MARINE POLLUTANT: No.

AIR TRANSPORT:

ICAO CLASS: 8
AIR PACK GR.: II

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:**RISK PHRASES:**

R-34 Causes burns.
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES:

S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-27 Take off immediately all contaminated clothing.
S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-60 This material and its container must be disposed of as hazardous waste.
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

16. OTHER INFORMATION:

REVISION DATE: MARCH 2003

REV. No./REPL. SDS GENERATED: 2

SDS No.: 42-SS/16/2

R-PHRASES (Full Text)

R-22 Harmful if swallowed.
R-34 Causes burns.
R-36 Irritating to eyes.
R-37 Irritating to respiratory system.
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.