

# BATTLE, HAYWARD & BOWER LIMITED

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## MATERIAL SAFETY DATA SHEET

DATA SHEET NO:- 8007/1

### 1. IDENTIFICATION OF THE PREPARATION

NAME:- AMCIDE

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION:- Ammonium Sulphamate  $H_2NSO_3NH_4$  concentration greater than 98% CAS 7773-06-0

APPEARANCE:- White crystalline solid which is deliquescent forming hard masses.

ODOUR:- None.

### 3. HAZARD IDENTIFICATION

Not classified as hazardous.

### 4. FIRST AID MEASURES

Remove all contaminated clothing immediately. Obtain first aid treatment.

INHALATION:- Not likely.

SKIN CONTACT:- Wash with plenty of soap and water for at least 5 minutes.

EYE CONTACT:- Flood eyes with water or eyewash solution for not less than 10 minutes.

INGESTION:- Rinse the mouth and give quantities of water.

DO NOT INDUCE VOMITING.

SEEK MEDICAL ADVICE.

### 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:- Appropriate to the source of the fire.

SPECIAL PROTECTIVE EQUIPMENT:- Full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:-

RESPIRATORY PROTECTION:-	Not relevant
HAND PROTECTION:-	PVC/Synthetic Rubber Gloves
EYE PROTECTION:-	Goggles/Face Shield
OTHER:-	Helmet, protective footwear, overalls

ENVIRONMENTAL PRECAUTIONS:- Should not be allowed to enter surface drains, water courses, ditches, streams etc.

CLEAN UP PROCEDURES:- Sweep up and place in containers for disposal. Small quantities may be washed with plenty of water down foul sewers. Wash the site thoroughly after spill pick up is complete.

**7. HANDLING AND STORAGE**

Keep containers tightly closed in a dry safe place out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

CONTROL LIMITS:-	Not defined in the latest edition of EH40 but a long term exposure limit of 10mg/m <sup>3</sup> and a short term exposure limit 20mg/m <sup>3</sup> (10 min) would be appropriate.
RESPIRATORY PROTECTION:-	Not relevant for normal use.
HAND PROTECTION:-	PVC/Synthetic rubber gloves.
EYE PROTECTION:-	Glasses or goggles when handling the concentrate, glasses are advised when using the diluted product.
SKIN PROTECTION:-	Protective footwear - stout boots/shoes or wellington boots. Overalls which cover legs and arms.
GENERAL:-	Contaminated clothing should not be worn, remove as soon as possible.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:-	White crystalline, deliquescent solid.
ODOUR:-	None.
pH:-	5.2 (5% solution)
MELTING POINT:-	131°C decomposes above 160° to non flammable gas.
FLAMMABILITY:-	Non flammable.
EXPLOSIVE PROPERTIES:-	Not applicable.
OXIDISING PROPERTIES:-	Non oxidising.
VAPOUR PRESSURE:-	Not applicable.
DENSITY:-	Approximately 1.0 - 1.3 g/cm <sup>3</sup> .
SOLUBILITY:-	Soluble in water 225g / 100ml @ 25°C 280g / 100ml @ 40°C

## **10. STABILITY AND REACTIVITY**

STABILITY:-	Stable.
CONDITIONS TO AVOID:-	Keep away from fire.
HAZARDOUS DECOMPOSITION PRODUCTS:-	Sulphur oxides. Ammonia.

## **11. TOXICOLOGICAL INFORMATION**

LD 50 oral rat 3900 mg/kg  
LD 50 Dermal (43% solution) rabbits greater than 2000 mg/kg  
Eye irritation tests conducted with a 43% solution on 6 rabbits indicated only one slight conjunctival irritation after 72 hours. After 7 days all eyes were normal.

## **12. ECOLOGICAL INFORMATION**

MOBILITY:-	Water soluble therefore expected to be mobile.
RESISTENCE AND DEGRADABILITY:-	Slowly biodegradable. Ground can be planted in 8-12 weeks.
ECOTOXICITY:-	Toxic to fish. Not harmful to earthworms or aquatic invertebrates.

### **13. DISPOSAL CONSIDERATIONS**

DISPOSAL OF CONCENTRATE:-	Dispose in accordance with Local Authority and National Regulations.
DISPOSAL OF DILUTED PRODUCT:-	Flush down foul drain with plenty of water.
DISPOSAL OF PACKAGING:-	Rinse out container and dispose of by normal means.

### **14. TRANSPORT INFORMATION**

UN NUMBER:-	Not assigned.
ADR/RID	Not classified.

### **15. REGULATORY INFORMATION**

Not classified as a hazardous material.

SAFETY PHRASES:-	S2	Keep out of reach of children.
	S13	Keep away from food, drink and animal feeding stuffs.
	S23	Do not breathe spray.
	S28	After contact with the skin wash with plenty of water.

OTHER SAFETY PHRASES:- Wash hands and exposed skin before meals and after work.  
Store in original container tightly sealed in a safe place.  
Harmful to fish, do not contaminate ponds, waterways or ditches with chemical or used container.  
Empty container completely and dispose of safely.

### **16. OTHER INFORMATION**

This product is approved under the Control of Pesticides Regulation for use as a Herbicide and Arborescence for Home Garden use under approval No. MAFF 00089 and as a Herbicide and Arborescence for Professional use in Agriculture, Horticulture, Forestry and Industrial use under approval No. MAFF 04246.

Refer to the product label for full instructions on use.

The information given on this data sheet is produced in good faith to the best of our available knowledge.