

SAFETY DATA SHEET**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product
Supplier****Sulphate of Ammonia
Westland Horticulture Ltd**
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Co Tyrone BT70 1NJTel 0044 (0) 28 8772 7500
Fax 0044 (0) 28 8772 3800**2. COMPOSITION/INFORMATION ON INGREDIENTS**Commonly Used Synonyms : Sulphate of Ammonia, Ammonium Sulphate.
Hazardous Classification : Non Hazardous
Concentration: : >99%

CAS No	EINECS	Chemical Formula
7783-20-2	231-984-1	(NH ₄) SO ₄

3. HAZARDOUS IDENTIFICATION

Non Hazardous Material.

4. FIRST AID MEASURESGeneral Advice: Remove contaminated clothing.
On Contact with Eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult eye specialist.
Inhalation: If difficulties occur after dust has been inhaled, move into fresh air and seek medical attention.
Skin Contact: Wash thoroughly with soap and water.
Ingestion: Rinse mouth and then drink plenty of water and seek medical attention.**5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media : Incombustible.
Harmful vapour can be given off at above 235°C if the harmful material is involved in fire or is overheated. Fire-fighters to consider use of breathing apparatus.**6. ACCIDENTAL RELEASE MEASURES**

Environmental Precautions : Do not let product enter drains. Small spillages can be swilled away with water.

7. HANDLING & STORAGE

Handling : Protection against fire and explosion.
Technical Protective Measures : Incombustible. No special measure necessary.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment : As follows

Respiratory Protection : Dust respirator required if respirable dust is formed.
Eye Protection : Safety glasses with side shields or goggles.
Hand Protection : PVC Gloves.
Body Protection : One-piece work clothes.
General Safety Hygiene : Keep away from food and drink, change contaminated clothing and wash before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Crystalline Solid
Colour : Yellow to straw-brown
Odour : None detectable
Melting Point : 350°C approx.
Starts to decompose : 235°C approx.
Bulk Density @ 20°C : 1.085 kg/m³
Solubility in water (0°C) : 412 g/l.
PH water solution(100g/l H₂O) : 4 – 6.
Octanol/water partition coefficient (log POW): 4.0 – 5.0.
Explosive properties : None known.

10. STABILITY AND REACTIVITY

Thermal Decomposition : Can decompose at above 235°C.
Hazardous Decomposition of Products: May liberate ammonia, nitrogen oxides and sulphur dioxides.
Hazardous Reactions : Liberates ammonia with alkalis. Hazardous reaction with nitrates.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD50/oral/rat: 4250mg/kg.
Acute inhalation hazard : (rat; test results depending on toxicity and volatility). No mortality after 8h exposure in a highly enriched and/or saturated atmosphere at 20°C.
Primary skin irritation : rabbit: non-irritant
Primary mucous : rabbit's eyes: non-irritant
Membrane irritation : prolonged exposure to the product can result in irritation of the skin and mucous membranes.
Additional information (dust) : prolonged exposure to the product can result in irritation of the skin and mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxic Effects

Toxicity to fish	:	DIN 38412-15	
Leuciscus idus	:	EC/LCO(96h)	: 460mg/l
		EC/LC50 (96h):	>460<1000 mg/l
		NOEC (96h)	: 460mg/l

13. DISPOSAL CONSIDERATIONS

Product : Must be disposed of by landfill or incineration at a suitably licensed premises, in compliance with the environmental Protection Act 1990 and the Environmental Protection Regulations (Duty of Care) 1991 (SI2839).

Contaminated : Disposal route dependent on nature of material contaminated with ammonium sulphate.

Disposal must be carried out in accordance with local and national regulatory requirements.

14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations.

15. REGULATORY INFORMATION

EC Directive 76/116/EEC

National Legislation/Regulations: The Fertilisers Regulations 1991 and subsequent amendments.

This product should be considered when making any assessment under the 1999 Control of Substances Hazardous to Health Regulations SI No.3165 and amendments (United Kingdom).

16. OTHER INFORMATION

All information contained in this Material Safety Data Sheet is accurate to the best of our knowledge at the date of issue. However, the Company makes no warranty or representation, express or implied, as to the accuracy or completeness of such information.

The provision of this Material Safety Data Sheet is not intended to obviate the need for all users to satisfy themselves and that the product described is suitable for their individual purposes and that the safety precautions and environmental advice are adequate for their individual purposes and situation. Further, it is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of this product. Hazards, toxicity and behaviour of the product may differ when used in conjunction with other materials, in different processes or under different conditions.

Westland Horticulture Limited do not accept responsibility for damage caused by incorrect use of this information.

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