

Safety Data Sheet

Ammonium Sulphate

Revised: 15/04/2017

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Ammonium Sulphate
Other Names:	GAS, SAS, Ammonium sulfate, Sulphuric acid diammonium salt, Sulphate of ammonia
Chemical Formula:	$(\text{NH}_4)_2\text{SO}_4$
Product Code:	4000000
Recommended Use:	Fertilizer
Company Identification:	Sulfammon Fateh
Address:	No#1, 9th Dead End, Kaaj St., Golha Sq., Fatemi Sq., Tehran, Iran
Customer Centre:	+98 21 8899 8130
Transport Emergency Phone Number:	110 - tell operator what service is needed: Fire, Ambulance or Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.1D, 9.1D, 9.3C
Priority Identifiers:	DANGER KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers:	6.1D = May be harmful if swallowed 9.1D = Harmful to aquatic life 9.3C = Harmful to terrestrial vertebrates



DANGER

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Ammonium Sulphate	7783-20-2	100%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Remove patient to fresh air. Seek medical assistance if effects persist
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed rinse mouth seek medical advice
Skin:	Wash affected area thoroughly with soap and water
Eye:	Flush with plenty of water for several minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical advice.
Advice to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	n.a. (Non-flammable)
Combustion Products:	Non-combustible. Decomposes on heating to form ammonia, nitrogen oxides and sulphur oxides
Extinguishing Media:	Based on surrounding materials
Protective Equipment:	Breathing apparatus goggles and protective gloves
HAZCHEM Code:	None allocated.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental	Avoid unintended release of excessive amounts into waterways or sewers.

Section 7: HANDLING AND STORAGE

Handling:	Avoid generating dusts, do not breathe dusts. Approved Handler: Not required Tracking: Not required Record Keeping: Not required
Storage:	Store in a cool, dry area
Other Information:	Avoid unintended release into the environment.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	Workplace Exposure Standards (WES): Particulates not otherwise classified: <div style="text-align: right; margin-left: 100px;"> Inspirable dust 10mg.m⁻³ Respirable dust 3mg.m⁻³ </div>
Protective Equipment:	Overalls, safety glasses and gloves. If dust is present wear dust mask and goggles. Eye wash facilities should be available.
Engineering Controls:	Handle in well ventilated area. If dust generated use local extraction to control. Avoid inhalation of dust.
Hygiene Precautions:	Remove protective clothing and wash hands and face before meals and after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fine white hygroscopic
Format:	Granules
Odour:	Odourless
Bulk Density:	1.77 gr/cm ³ (20)
pH:	4 – 5
Solubility in Water:	750 gr/lit (20°C)
Flash Point:	n.a.
Melting Point	280 °C (decomposes)
Other Information:	None

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Hazardous Polymerisation:	Will not occur.
Hazardous Decomposition Products:	Decomposes on heating to form ammonia, nitrogen oxides and sulphur oxides.
Conditions to Avoid:	Strong heat, moisture.
Materials to Avoid:	Oxidisers

Section 11: TOXICOLOGICAL INFORMATION

HAZARD Classifications:	6.1D
Ingestion:	Ingestion of large quantities may lead to nausea, vomiting, diarrhea, thirst.
Inhalation:	Slight irritant. Over exposure may cause mucous membrane irritation and coughing.
Skin:	Slight irritant. Prolonged and repeated skin exposure may result in irritation, skin rash
Eye:	Slight irritant. Direct contact may result in lachrymation (tears), pain, redness and conjunctivitis.
Chronic Effects:	Not anticipated.
Other Information:	Low toxicity, no adverse health effects expected under normal conditions.
Toxicity Data:	LD ₅₀ (oral, rat) 2840 mg/kg

Section 12: ECOLOGICAL INFORMATION

HAZARD Classifications:	9.1D, 9.3C
Ecotoxicity:	Avoid unintended release into streams and waterways.

Section 13: DISPOSAL INFORMATION

Product Disposal:	Reuse or recycle where possible. If practicable apply excess fertiliser at recommended rates to appropriate land. Observe any local authority restrictions that may apply.
Container Disposal:	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

Section 14: TRANSPORT INFORMATION

UN Number:	None Allocated.
Proper Shipping Name:	None Allocated.
DG Class:	None Allocated.
Other Information:	Not regulated for transport purposes.

Section 15: REGULATORY INFORMATION

EPA: See www.ammonium-sulfate.net for approval controls.

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.

Checked

Hazard Classification	EPA CCID	MXM
Identifiers	EPA CCID, Labelling of Hazardous Substances	MXM
Pictogram	EPA CCID, Labelling of Hazardous Substances	MXM