



SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	Ammonium sulphate liquid
Trade Name	Squall
CAS No.	7783-18-8
EINECS No.	
REACH Registration No.	
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Agricultural use
Uses advised against	
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Fielder(UK) Ltd The Paddocks Longden Shrops SY5 8EX
Telephone	01743 860924
Fax	None
E-Mail (competent person)	fielderag@farming.co.uk
1.4 Emergency telephone number	
Emergency Phone No.	None.

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Not classified as hazardous according to EC Regulation 1217/2008 (CLP)	
Regulation (EC) No. 1217/2008 (CLP)	
Signal Word	None
2.2 Label elements	According to Regulation (EC) No. 1217/2008 (CLP)
Product Name	Ammonium sulphate
Hazard pictogram(s)	
Signal word(s)	
Hazard statement(s)	None
Precautionary statement(s)	None



- 2.3 Other hazards None.
- 2.4 Additional Information For full text of H/P statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1217/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Ammonium sulphate		7783-20-2		

3.2 Additional Information

For full text of H/P statements see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

- Inhalation Remove casualty to fresh air. If breathing has stopped administer artificial respiration. Seek medical attention immediately.
- Skin Contact Wash off immediately with soap and plenty of water. If skin irritation persists seeks medical advise.
- Eye Contact Rinse immediately with plenty of water, including under the eyelids for at least 15 minutes. If eye irritation persists seek medical advice.
- Ingestion Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

- Suitable Extinguishing Media Use waterspray, dry chemical, carbon dioxide, chemical foam.
- Non-flammable. May release irritant fumes in event of fire.

5.2 Special hazards arising from the substance or mixture

5.3 Protection

Wear self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures Avoid contact with skin, eyes and clothing. Wear goggles to protect eyes and personal protective equipment.



- 6.2 Environmental precautions** Control and contain spillage on site, avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up** Recover and store in suitable containers. Wash spillage area clean with plenty of water. Contact waste disposal services.
- 6.4 Reference to other sections** See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after use. Wear personal protective clothing. Due care must be taken and any damaged packages isolated and repaired.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep containers closed and in a cool dry place. Store out of the reach of children. Keep away from foodstuffs. Ensure store is well ventilated. Keep away from acids and oxidizing agents.



Storage Temperature
Storage Life
Incompatible materials
- 7.3 Specific end use(s)**

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Ammonium sulphate	7783-20-2					

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** COSHH Due consideration should be given to your control systems and the need for assessment.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear protective goggles.
- Skin protection (Hand protection/ Other)  Wear suitable gloves.



Respiratory protection

Avoid inhalation.



Thermal hazards

None.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Pale liquid.
Colour	
Odour	Characteristic.
Odour Threshold	
pH	4-5
Melting Point/Freezing Point	N/A
Initial boiling point and boiling range	
Flash point	
Evaporation rate	.
Flammability (solid, gas)	
Upper/lower flammability or explosive limits	
Vapour pressure	Not determined.
Vapour density	Not determined,
Relative density	
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition Temperature	
Viscosity	
Explosive properties	
Oxidising properties	
Specific gravity	1.33
Water solubility	Highly soluble.

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Stable under normal conditions. Thermally very stable.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

Can react with strong acids, strong oxidizing agents and alkalis.

10.6 Hazardous Decomposition Product(s)

Toxic gas.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Mixture - N/A

Acute toxicity

Inhalation

Irritation

Corrosivity

Sensitisation

STOT - single exposure



- Repeated dose toxicity
- Carcinogenicity
- Mutagenicity
- Toxicity for reproduction
- 11.2 Other information

12. SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity
 - 12.2 Persistence and degradability
 - 12.3 Bioaccumulative potential
 - 12.4 Mobility in soil
 - 12.5 Results of PBT and VPVB assessment
 - 12.6 Other adverse effects
- Do not allow release to the environment.

13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
 - Disposal should be in accordance with local authority regulations.
 - Send waste to a registered waste disposal site.
 - Labels should not be removed from containers until they have been cleaned.
- 13.2 Additional Information

14. SECTION 14: TRANSPORT INFORMATION

- 14.1 UN number
- 14.2 UN Proper Shipping Name
- 14.3 Transport hazard class(es)
- 14.4 Packing Group
- 14.5 Environmental hazards
- 14.6 Special precautions for user
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - 15.1.1 EU regulations
 - Classification according to Commission Regulation (EU) No 453/2010
 - Authorisations and/or restrictions on use**
 - Candidate List of Substances of Very High Concern for Authorisation
 - REACH: Annex XIV List of substances subject to authorization



REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Community Rolling Action Plan (CoRAP);
Draft 04/11/2013

15.1.2 National regulations

15.2 Chemical Safety Assessment

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic

Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
STOT RE 1	Specific target organ toxicity — repeated exposure Category 1

Hazard statement(s) and Precautionary statement(s) – N/A

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Annex to the extended Safety Data Sheet (eSDS)

No information available.