

1: Identification of substance / mixture

1. Product Identifier

Substance

Product Name **Ammonium Persulphate Tablets**
Product Code A1525
CAS Number 7727-54-0
Other Names
IUPAC
MFCD Number
EC/EINECS 231-786-5
REACH Number

2. Relevant identified uses of the substance or mixture and uses advised against

Research and Development

3. Details of the supplier of the safety data sheet

Melford Laboratories Ltd
Bildeston Road, Chelsworth
Ipswich
Suffolk
IP7 7LE
UK



Telephone: 01449 741178
Fax: 01449 741217
Email: support@melford.co.uk

4. Emergency telephone number

+44 (0)1449 741178 -

2. Hazards Identification

1. Classification of the substance or mixture

H272	Ox Sol. 2	R8
H302	Acute Tox. 4	R22, R20/22, R20/21/22, R21/22, R68/20/22, R68/21/22, R68/20/21/22
H315	Skin Irrit. 2	R38, R36/38, R36/37/38, R37/38
H317	Skin Sens. 1	R43, R42/43
H319	Eye Irrit. 2	R36, R36/37, R36/38, R36/37/38
H335	STOT SE 3a	R37, R36/37, R36/37/38, R37/38

No Resource File

2. Label elements

Signal Word **Warning**



Hazard Statements

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Phrases

P221	Take any precaution to avoid mixing with combustibles.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3. Composition / Information on Ingredients

1. Substances

Ammonium Persulphate Tablets

Assay:100% CAS Number :7727-54-0

2. Mixtures

Not Relevant

4. First Aid Measures

1. Description of first aid measures

Skin Contact P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
Wash immediately with plenty of soap and water.

Eye Contact P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Rinse opened eye for several minutes under running water.
Ensure adequate flushing by separating the eyelids with fingers

Ingestion Wash out mouth with water.
Transfer to hospital as soon as possible.

Inhalation Move to fresh air in case of accidental inhalation.

2. Most important symptoms and effects

There may be irritation and redness at the site of contact.

3. Indication of any immediate medical attention

Notes to Physician Treat symptomatically

5. Firefighting measures

1. Extinguishing Media

Suitable Water spray.
Alcohol resistant foam.
Dry chemical powder.
Carbon dioxide.

Unsuitable None

2. Special Hazards arising from the substance or mixture

Oxidising.

3. Advice for Fire Fighters

Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

1. Personal Precautions

Refer to section 8 of SDS for personal protection details.

2. Environmental Precautions

Do not discharge into drains or rivers.

3. Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

4. Preventing the occurrence of secondary hazards.

None

7. Handling and Storage

1. Personal Precautions

Safe Handling Ensure there is sufficient ventilation of the area.
Protection against explosions and fires P221: Take any precaution to avoid mixing with combustibles.

2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks Keep container tightly closed.
 Keep away from combustible materials.
 Store below 25° C Store at room temperature.

Storage Controls No special requirements

Maintaining Integrity Keep container tightly closed.

Other advice P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

1. Control Parameters

No Data Available

2. Exposure Controls

General protective and hygiene measures P280: Wear protective gloves/protective clothing/eye protection/face protection.
 The standard precautionary measures should be adhered to when handling

Engineering measures Ensure there is exhaust ventilation of the area.

Eye / Face Protection Safety Glasses with side-shields.

Hand protection Protective gloves.

Respiratory protection P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 Respiratory protective device with particle filter.

Skin protection Protective clothing.

Other personal protection advice None

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	White tablets
Odour	None
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available

Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

2. Other Information

None

10. Stability and Reactivity

1. Reactivity

May decompose on exposure to moist air or water.

2. Stability

Stable at room temperature.

3. Possibility of Hazardous Reactions

No hazardous reactions known

4. Conditions to Avoid

Moist Air.

5. Incompatible Materials

Reducing agents.

6. Hazardous Decomposition Products

In combustion emits toxic fumes of sulphur oxides.
In combustion emits toxic fumes of nitrogen oxides.

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	Oral LD50 (rat) 689mg/kg Dermal LD50 (rat) >2000mg/kg
<i>Skin corrosion/irritation</i>	No information available
<i>Serious eye Damage/irritation</i>	No information available
<i>Respiratory or skin sensitisation</i>	No information available
<i>Germ Cell mutagenicity</i>	No information available
<i>Carcinogenicity</i>	No information available
<i>Reproductive toxicity</i>	No information available
<i>STOT-single exposure</i>	No information available
<i>STOT-repeated exposure</i>	No information available
<i>Aspiration hazard</i>	No information available

2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
Ingestion - May be harmful if swallowed.

12. Ecological Information

1. Toxicity

No information available

2. Persistence and degradability

No information available

3. Bio-Accumulative Potential

No information available

4. Mobility and Soil

No information available

5. Results of PBT & vPvB assessment

No information available

6. Other adverse effects

No information available

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Hand over to authorised disposal company as hazardous waste.

Disposal of Packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

1. **UN Number:** 1444
2. **Shipping Name:** Ammonium persulphate
3. **Transport hazard class(es):** : 5.1 Sub Class :



4. **Packing group:** III
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

Road (ADR)

1. **UN Number:** 1444
2. **Shipping Name:** AMMONIUM PERSULPHATE
3. **Transport hazard class(es):** : 5.1 Sub Class :



4. **Packing group:** III
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

Sea (IMDG)

1. **UN Number:** 1444
2. **Shipping Name:** Ammonium persulphate
3. **Transport hazard class(es):** : 5.1 Sub Class :



4. **Packing group:** III
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:** IBCINS: IBC08
IBCPPOV: B3
UNTANKINS: T1
TANKPROV: TP33

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

This safety data sheet complies to the requirements of Regulation (EC) No. 1907/2006
ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)
RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association
ICAO:International Civil Aviation Organization
ICAO-TI: Technical Instructions by the ICAO
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS:Chemical Abstracts Service

2. Associated risk phrases according to european directive 67/548/EEC

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R42/43	May cause sensitization by inhalation and skin contact.
R43	May cause sensitisation by skin contact.
R68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R68/20/22	Harmful: possible risk of irreversible effects through inhalation and if swallowed.
R68/21/22	Harmful: possible risk of irreversible effects in contact with skin and if swallowed.
R8	Contact with combustible material may cause fire.



3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text