

Tri-AMMONIUM CITRATE, EXTRA PURE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Tri-AMMONIUM CITRATE, EXTRA PURE
Product Code: 802
CAS#: 3458-72-8
Chemical Formula: $C_6H_{17}N_3O_7$
Molecular Formula: 243.22

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:
Name: Tri-AMMONIUM CITRATE
Chemical Formula: $C_6H_{17}N_3O_7$
Molecular Formula: 243.22

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture:
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

SECTION 4: FIRST AID MEASURES

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact: Wash off with soap and plenty of water.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NOx).
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
Environmental precautions: No special environmental precautions required.
Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Advice on protection against fire and explosion: Provide appropriate exhaust ventilation at places where dust is formed.
Hygiene measures: General industrial hygiene practice



Conditions for safe storage, including any incompatibilities: Storage conditions Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

Storage class: Storage class (TRGS 510): 11: Combustible Solids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	White deliquescent powder.
Odor	:	Not available
Color	:	Not available
Molecular Weight	:	Not available
pH	:	6.0 - 7.5
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Iconicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	10% solution in water is clear and colorless

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions

Instability Temperature: Not available

Conditions of Instability: Not available

Incompatibility with various substances: Strong oxidizing agents

Special Remarks on Reactivity: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: Not available

Inhalation: Not available

Dermal: Not available

Skin corrosion/irritation: Not available

Serious eye damage/eye irritation: Not available

Respiratory or skin sensitization: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available.

Specific target organ toxicity - single exposure: Not available.



Specific target organ toxicity - repeated exposure: Not available.

Aspiration hazard: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish: Not available.

Persistence and degradability: Not available.

Bio accumulative potential: Not available.

Mobility in soil: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:

ADR/RID:

IMDG:

IATA:

UN proper shipping name

ADR/RID: Not Dangerous goods

IMDG: Not Dangerous goods

IATA: Not Dangerous goods

Transport hazard class(s):

ADR/RID:

IMDG:

IATA:

Packaging group:

ADR/RID:

IMDG:

IATA:

Environmental hazards:

ADR/RID: No

IMDG: No

IATA: No

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment: Not available

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements: Not available

Other Special Considerations: Not available.

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