



Safety Data Sheet

Section 1 - Identification.....2

Section 2: Hazard Identification.....2

Section 3: Composition/information on ingredients..... 3

Section 4: First aid measures..... 3

Section 5: Firefighting measurers.....4

Section 6: Accidental release measurers..... 5

Section 7: Handling and storage..... 5

Section 8: Exposure controls – Personal protection.....6

Section 9: Physical and chemical properties..... 8

Section 10: Stability and reactivity..... 9

Section 11: Toxicological information.....10

Section 12: Ecological information..... 11

Section 13: Disposal considerations..... 12

Section 14: Transportation information..... 12

Section 15: Regulatory information..... 13

Section 16: Other information.....14

Section 1 - Identification

1.1 Product Identifier

Product Name : Ammonium Trifluoroacetate
CAS-No : 3336-58-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

Company : 9920 Pacific Heights Blvd
Suit 150
San Diego
California -92121

1.4 Emergency Telephone number

Emergency phone : +1 (858) 245-0283

Section 2: Hazard Identification

2.1 Classification of the substance or the mixture

Skin Corrosion/Irritation	Category 2 (H315)
Serious Eye Damage/Eye Irritation	Category 2 (H319)
Specific target organ toxicity - (single exposure)	Category 3 (H335)

2.2 Label elements

Pictogram



Signal Word:
DANGER

Hazard statements

H315	Causes skin irritation
H335	May cause respiratory irritation
H319	Causes serious eye irritation

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards

This product does not contain any known or suspected endocrine disruptors

Section 3: Composition/information on ingredients

3.1 Substance

CAS No.	: 3336-58-1
EC-No.	: 222-072-4
Weight	: 98%

Section 4: First aid measures

4.1 Description of first aid measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.

Ingestion

Clean mouth with water. Get medical attention.

Inhalation

Remove from exposure, lie down. Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Self-Protection of the First Aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indications of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

Section 5: Firefighting measurers

5.1 Extinguishing Media

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Dry chemical. Chemical foam.

Extinguishing media which must not be used for safety reasons

No information available.

5.2 Special hazard arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂), Ammonia, Gaseous hydrogen fluoride (HF).

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

6.2 Environment precautions

See Section 12 for additional Ecological Information.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment.

6.4 Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Store under an inert atmosphere.

7.3 Specific end use(s)

Use in laboratories

Section 8: Exposure controls – Personal protection

8.1 Control parameters

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

8.2 Exposure Controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection

Goggles (European standard - EN 166)

Hand Protection

Protective gloves

Glove material	Breakthrough time	Glove thickness	EU standard	Glove comments
Natural rubber	See manufacturers	-	EN 374	(minimum requirement)
Butyl rubber	Recommendations			
Nitrile rubber				
Neoprene				
PVC				

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

Respiratory Protection

No protective equipment is needed under normal use conditions.

Large scale/emergency use

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Small scale/Laboratory use

Maintain adequate ventilation

Environmental exposure controls

No information available

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid	
Appearance	: White	
Odor	: No information available	
Odor Threshold	: No data available	
Melting point/range	: 122 - 126 °C / 251.6 - 258.8 °F	
Softening Point	: No data available	
Boiling point/range	: No information available	
Flammability (liquid)	: Not applicable	Solid
Flammability (solid,gas)	: No information available	
Explosion Limits	No data available	
Flash point	: No data available	Method - No information available
Autoignition temperature	: Not data available	
Decomposition temperature	: Not data available	
pH	: 5-6.5	10% aq. sol
Viscosity	: Not applicable	Solid
Water Solubility	: 0.1 g/ml (25°C)	practically insoluble
Solubility in other solvents	: No information available	
Vapor Pressure	: No data available	
Density / Specific Gravity	: No data available	
Bulk Density	: No data available	
Vapor Density	: Not applicable	Solid

Particle characteristics : No data available

9.2 Other information

Molecular Formula : C₂ H₄ F₃ N O₂

Molecular Weight : 131.05

Evaporation Rate : Not applicable - Solid

Section 10: Stability and reactivity

10.1 Reactivity

None known, based on information available

10.2 Chemical stability

Stable under normal conditions. Hygroscopic.

10.3 Possibility of hazardous reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Hazardous Reactions

No information available.

10.4 Conditions to avoid

Incompatible products. Exposure to moist air or water.

10.5 Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Strong reducing agents.

10.6 Hazardous decomposition products

Nitrogen oxides (NO_x). Carbon monoxide (CO). Carbon dioxide (CO₂). Ammonia. Gaseous hydrogen fluoride (HF).

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information	No acute toxicity information is available for this product
acute toxicity;	:
Oral	No data available
Dermal	No data available
Inhalation	No data available
skin corrosion/irritation;	: Category 2
serious eye damage/irritation;	: Category 2
respiratory or skin sensitization;	:
Respiratory	No data available
Skin	No data available
germ cell mutagenicity;	: No data available
carcinogenicity;	: No data available There are no known carcinogenic chemicals in this product
reproductive toxicity;	: No data available
STOT-single exposure;	: Category 3
Results / Target organs	Respiratory system.
STOT-repeated exposure;	: No data available
Target Organs	No information available.
aspiration hazard;	: Not applicable Solid
Other Adverse Effects	: The toxicological properties have not been fully investigated.

Symptoms / effects, both acute and delayed

No information available.

11.2 Information on other hazards

Endocrine disrupting properties

Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

Section 12: Ecological information

12.1 Toxicity

Ecotoxicity effects

Do not empty into drains.

12.2 Persistence and degradability

Persistence

Insoluble in water.

12.3 Bioaccumulated potential

May have some potential to bioaccumulate

12.4 Mobility in soil

Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low water solubility.

12.5 Results of PBT and vPvB assessment

No data available for assessment.

12.6 Endocrine disrupting properties

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

12.7 Other adverse effects

Persistent Organic Pollutant

This product does not contain any known or suspected substance

Ozone Depletion Potential

This product does not contain any known or suspected substance

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste from Residues/Unused Products

Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Contaminated Packaging

Dispose of this container to hazardous or special waste collection point.

European Waste Catalogue (EWC)

According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains.

Section 14: Transportation information

IMDG/IMO

Not regulated

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

ADR

Not regulated

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

IATA

Not regulated

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

No hazards identified

14.6 Special precautions for user

No special precautions required.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable, packaged goods

Section 15: Regulatory information

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

Authorisation/Restrictions according to EU REACH

Not applicable

Seveso III Directive (2012/18/EC)

Seveso III Directive (2012/18/EC) -Qualifying Quantities for Major Accident Notification

Not applicable

Seveso III Directive (2012/18/EC) -Qualifying Quantities for Safety Report Requirements

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

15.2 Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

Section 16: Other information

Full text of H-Statements

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Further information

The information and recommendations in this SDS are to the best of our knowledge, information and belief accurate at the time of publication. Although utmost care is been taken in composition of this text, Highpuris LLC cannot be held responsible for any damage resulting from any possible error in this publication.