



AMT PLUS QUALITY

MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Substance

Chemical Name Metatartaric acid
Commercial Names and Synonyms Metatartaric acid, AMT Plus Quality
Chemical Abstract Nomenclature

Uses Stabilizing agent

Company Tel. +39-0321-790-300 (please see bottom of the page)

Emergency service Niguarda Hospital tel. +39-02-6610-1029

2 - COMPOSITION / INFORMATION ON INGREDIENTS

- **General description of the components, relative concentrations and risks**

Chemical name	N° CAS	N°EINECS	Conc/Range %	Classification	
				Symbols	R phrases
Metatartaric acid					
Formula	Mixture of mono- and diesters of tartaric acid in variable proportions, small quantities of non-esterified tartaric acid, and pyruvic acid and smaller quantities of other polyester acids.				

The product does not contain any other products and/or impurities that influence the product classification.

3 - HAZARDS IDENTIFICATION

Not dangerous classified substance according to official current regulations.

Health risks None

Environmental risks None

Physical and chemical hazards None
Fire and explosion

4 - FIRST AID MEASURES

Inhalation Move the injured person outside. Seek medical advice

Skin contact Wash abundantly with water the involved part

Eyes contact Wash immediately with water for at least 15 minutes. Seek medical advice

Ingestion Let drink water. Seek medical advice

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5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents Use the most suitable equipment according to the substances involved in the fire

Extinguishing agents to be avoided None

Dangers caused by combustion matters

Protection measures in case of intervention

Additional information

6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods Collect mechanically – Wash out the residual matters with water. In case of big leakages neutralize with lime or calcium carbonate

Personal-related safety precautions

Environmental protection

7 – HANDLING AND STORAGE

Handling

Storage Store in well-ventilated places and keep away from humidity. The product is hygroscopic

8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection Anti-dust mask

Skin protection

Hand protection Safety gloves

Eyes protection Safety goggles

Exposure limits TLV-TWA: unknown, 10 mg/m³ (irritant dusts)

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9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Powder, grains
	colour	White cream
	smell	Caramel
Melting point		
Boiling point		
Density		
Solubility in water		Water/ethanol
Flash point		
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		
Coefficient of division n-octanol/water		

10 – STABILITY AND REACTIVITY

Conditions to be avoided	Fast decomposition at 100 °C in water solution
Products to be avoided	Hygroscopic product, keep away from humidity
Hazardous decomposition products	Heated until decomposition it releases acrid fumes and vapours

11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation	yes
	Ingestion	yes
	Contact	no
Acute toxicity		
Inhalation consequences		
Ingestion consequences		
Skin local effects		
Eyes local effects		
Additional information		Chronic toxicity: dental erosion. Bronchial irritation with pneumonia. Gastrointestinal disease

12 – ECOLOGICAL INFORMATION

13 – DISPOSAL CONSIDERATIONS

Product	Wash residual matters with water or neutralize with lime or calcium carbonate and wash with water. Discard according to local current regulations
Contaminated packages	Empty the package, unfold it completely and dispose of it according to the packaging material

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14 – TRANSPORT INFORMATION

Product non subject to ADR/RID, IMO and IATA regulations, related to road, sea and airway transport of dangerous goods.

15 – REGULATORY INFORMATION

EC labelling	[]	Required by the law
	[]	Temporary
# Classification	[X]	Not required

16 – OTHER INFORMATION

Hazard symbol
Risk phrases

Safety phrases

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possibile damages arising from uses of this information for different purposes from the ones here indicated.

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