

AMS (Alpha-methylstyrene)

DESCRIPTION

Alpha methyl-styrene is a colorless liquid organic chemical used to produce a wide variety of styrenic polymers, result of splitting cumene hidroperoxide with sulphuric acid. Before, Cumene is obtained through a catalytic alkylation of benzene with propylene. Fractionation units allow us to separate AMS from the rest of the elements.

APPLICATION

Main use of AMS is the production of Acrylonitrile Butadiene Styrene (thermoplastic resin). In addition, it is included in several applications, from coatings to food and cosmetic industries.

IDENTIFICATION

CAS NUMBER:	98-83-9
Nº REACH:	01-2119472426-35-0007
CE NUMBER:	202-705-0

TYPICAL PROPERTIES

Property	Unit	Method	Value
Appearance	-		Clear, free suspended material
Purity	%	Calculated	>99,5
Color Pt/Co	Hazen	ASTM D 1209	10
Melting poing	°C		-23,2
Boiling point	°C		164
Auto-ignition temperature	°C		574
TBC	mg/kg	ASTM D 4590	10 min- 20 max
Phenol	mg/kg	ASTM D 3160	<10
Cumene	mg/kg	GLC	<1000
Water	mg/kg	ASTM E 1064	<100
Density @ 20°C	g/cm3		0,91
Vapor preasure @ 50°C	kPa		1,5
Flash point Closed cup	°C		54
Refractive Index @20°C			1,5386
Physical State:			Liquid

TRANSPORT

Available in tank trucks, rail-tank, vessels and barges.

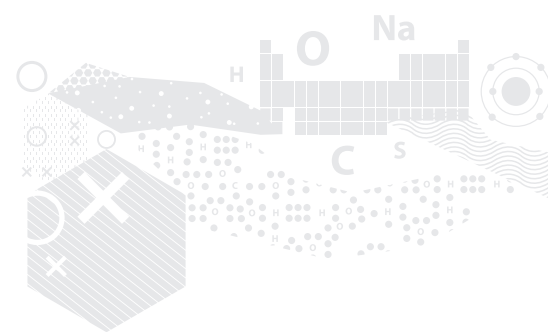
STORAGE AND HANDLING

Store in accordance with local regulations.

Tank material: Stainless steel 316. Carbon steel with coatings.

HEALTH AND SAFETY

Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. For more information see MSDS.



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