

SAFETY DATA SHEET

Creation Date 19-Apr-2010

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Revision Number 5

AC138330000; AC138330010; AC138330050; AC138330051; AC138331000; AC138332500
75-57-0 N,N,N-Trimethylmethanaminium chloride.
Laboratory chemicals. Food, drug, pesticide or biocidal product use.
afety data sheet

<u>Company</u> Fisher Scientific Company One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100

Acros Organics One Reagent Lane Fair Lawn, NJ 07410

Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11 Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99 **CHEMTREC** Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity	Category 2
Acute dermal toxicity	Category 3
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 1
Target Organs - Respiratory system, Central nervous system	n (CNS).

Label Elements

Signal Word Danger

Hazard Statements

Fatal if swallowed Toxic in contact with skin Causes skin irritation Causes serious eye irritation Causes damage to organs



Precautionary Statements Prevention

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/protective clothing/eye protection/face protection Do not breathe dust/fume/gas/mist/vapors/spray Response IF exposed: Call a POISON CENTER or doctor/physician Skin IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor/physician if you feel unwell Remove/Take off immediately all contaminated clothing Wash contaminated clothing before reuse If skin irritation occurs: Get medical advice/attention Eves IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention Indestion IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Rinse mouth Storage Store locked up Disposal Dispose of contents/container to an approved waste disposal plant Hazards not otherwise classified (HNOC) Toxic to aquatic life with long lasting effects

3. Composition/Information on Ingredients

Component		CAS No	Weight %	
Methanaminium, N,N,N	-trimethyl-, chloride	75-57-0	>95	
	4. Firs	t-aid measures		
General Advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.			
Eye Contact		f contact with eyes, rinse immediately with plenty of water and seek medica e immediately with plenty of water, also under the eyelids, for at least 15		

Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately.
Most important symptoms and effects	None reasonably foreseeable.
Notes to Physician	Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature Explosion Limits	No information available
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impac	ct No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NOx). Hydrogen chloride gas.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA_	Health 4	Flammability 1	Instability 1	Physical hazards N/A		
	6. Accidental release measures					
Personal	Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.				
Environm	ental Precautions	Do not flush into surface wa	ter or sanitary sewer system.			

Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Up

	7. Handling and storage
Handling	Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance.

Storage.	Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere. Protect from moisture. Incompatible Materials. Strong oxidizing agents.
8. E	xposure controls / personal protection This product does not contain any hazardous materials with occupational exposure
	limitsestablished by the region specific regulatory bodies.
Engineering Measures	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protective Equipment	
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties			
Physical State	Solid		
Appearance	Off-white		
Odor	Strong		
Odor Threshold	No information available		
рН	6 - 8 (10 %)		
Melting Point/Range	420 °C / 788 °F		
Boiling Point/Range	No information available		
Flash Point	No information available		
Evaporation Rate	Not applicable		
Flammability (solid,gas)	No information available		
Flammability or explosive limits			
Upper	No data available		
Lower	No data available		
Vapor Pressure	negligible		
Vapor Density	Not applicable		
Specific Gravity	No information available		
Solubility	Soluble in water		
Partition coefficient; n-octanol/w			
Autoignition Temperature	No information available		
Decomposition Temperature	No information available		
Viscosity	Not applicable		
Molecular Formula	C4 H12 CI N		
Molecular Weight	109.6		

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions. Hygroscopic.
Conditions to Avoid	Incompatible products. Excess heat. Exposure to moist air or water.

Incompatible Materials	Strong oxidizing agents	Strong oxidizing agents			
Hazardous Decomposition Prod	l ucts Carbon monoxide (CO), Ca gas	arbon dioxide (CO2), Nitrogen ox	ides (NOx), Hydrogen chloride		
Hazardous Polymerization	Hazardous polymerization	does not occur.			
Hazardous Reactions	None under normal proces	None under normal processing.			
	11. Toxicologio	cal information			
Acute Toxicity					
Product Information Component Information					
Component	LD50 Oral	LD50 Dermal	LC50 Inhalation		

Component		LD50 Oral	LD50 Oral LD50 Derma		LC50 Inhalation	
Methanaminium, N,N, chloride		0 0 (<i>j</i>	50 mg/kg (Rat) 200-500 mg/kg Not list		t listed	
Toxicologically Syn	ergistic	No information a	vailable			
Products						
Delayed and immed	liate effects	as well as chronic eff	ects from short a	nd long-term expo	sure	
Irritation Irritating to eyes, respiratory system and skin						
Sensitization No information available						
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carci					as a carcinogen.	
Component	CAS N		NTP	ACGIH	OSHA	Mexico
Methanaminium, N,N,N-trimethyl-, chloride	75-57-0	Not listed	Not listed	Not listed	Not listed	Not listed
Mutagenic Effects	^	No information a	vailable			
Reproductive Effect	ts	No information available.				
Developmental Effe	Effects No information available.					
Teratogenicity No information available.						
STOT - single expos STOT - repeated ex	T - single exposureRespiratory system Central nervous system (CNS)T - repeated exposureNone known					
Aspiration hazard	Aspiration hazard No information available					
Symptoms / effects,both acute and No information available delayed						
Endocrine Disrupto	r Informatio	on No information a	vailable			
Other Adverse Effe	cts	The toxicological	The toxicological properties have not been fully investigated.			

12. Ecological information

Ecotoxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Methanaminium,	Not listed	Pimephales promelas: LC50	Not listed	Not listed
N,N,N-trimethyl-, chloride		= 462 mg/L 96h		

Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.				
Bioaccumulation/ Accumulation	No information available.				
Mobility	Will likely be mobile in the environment due to its water solubility.				
	13. Disposal considerations				
Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.				
	14. Transport information				
DOT	·				
UN-No	UN2811				
Proper Shipping Name	TOXIC SOLIDS, ORGANIC, N.O.S.				
Technical Name	Methanaminium, N,N,N-trimethyl-, chloride				
Hazard Class	6.1				
Packing Group					
TDG					
UN-No	UN2811				
Proper Shipping Name	TOXIC SOLIDS, ORGANIC, N.O.S.				
Hazard Class	6.1				
Packing Group	II				
IATAUN-No	UN2811				
	••				
Proper Shipping Name Hazard Class	Toxic solid, organic, n.o.s. 6.1				
Packing Group					
IMDG/IMO	11				
UN-No	UN2811				
Proper Shipping Name	Toxic solid, organic, n.o.s.				
Hazard Class	6.1				
Packing Group					
	15. Regulatory information				

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Methanaminium, N,N,N-trimethyl-, chloride	75-57-0	Х	ACTIVE	-

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Methanaminium, N,N,N-trimethyl-,	75-57-0	Х	-	200-880-8	Х	Х	Х	Х	Х	KE-33549
chloride										

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

U.S. Federal Regulations

Not applicable
See section 2 for more information
Not applicable
Not applicable
Not applicable
Not applicable
This product does not contain any Proposition 65 chemicals.
Not applicable
N N N
This product does not contain any DHS chemicals.
No information available

Authorisation/Restrictions according to EU REACH

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

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Methanaminium, N,N,N-trimethyl-, chloride	75-57-0	Listed	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Methanaminium, N,N,N-trimethyl-, chloride	75-57-0	Not applicable	Not applicable	Not applicable	Not applicable

16. Other information

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Creation Date	19-Apr-2010
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Print Date Revision Summary	24-Dec-2021 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

