MATERIAL SAFETY DATA SHEET

Cience Kit &Boreal Aboratories Tonawanda, NY 14150-6781 (716) 874-6020

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MSDS No. SS 990 Effective Date July 1, 1986

SECTION	I NAME	24 HOUR EMERGENCY	ASSISTANC		
roduct	STEARIC ACID	CHEMTREC	Health 1		
nonyms .	Octadecanoic Acid	1 0 800-424-9300 Dy 716-226-6177	Fire 1		
ormula	СН3(СН2)16СООН	Night 716-334-4222	Reactivity 1		
nit(s) Size		HAZARD BATING			
A.S. No.	57-11-4	O 1 2	HIGH EXTREME		
SECTION	II HAZARDOUS INCREDIE	NTS OF MINTURES	ARTON MANAGEMENT		

rincipal Hazardous Component(s)	%	TLV Units	
Stearic Acid	100%	None established	
CAUTION! SUSCEPTIBLE TO SPONTANEOUS HEATING-		DESC 4 /4	
THIS MATERIAL IN POWDER FORM IS CAPABLE			
OF CREATING A DUST EXPLOSION.		1 : :	

OF C	REATING A DUST EXPLOSION.		
SECTION III PH	IYSICAL DATA		
/lelting Point (°F)	69.3°C	Specific Gravity (H,0 = 1)	0.847 at 20°C
loiling Point (°F)	383°C	Percent Volatile by Volume (%)	Non-volatile (NA)
apor Pressure (mm Hg)	1 mm @ 173.7°C	Evaporation Rate (Non-volatile (NA)
apor Density (Air = 1)	9.80	-	
olubility in Water	Very slightly soluble		

ppearance a	ind Odor	White, fla	kes, crushed flakes, granules; t	allow-like odo	r.
SECTION	IV F	IRE AND	EXPLOSION HAZARD	DATA	
ash Point	385°F (cc)		Flammable Limits in Air	Lower	Upper
lethod Used)			% by Volume Unknown		
xtinguisher	Foam; Car	bon dioxide	(CO ₂); dry chemical (ABC).		1

PECIAL FIREFIGHTING ROCEDURES

Melted stearic acid should be handled like a grease fire with knowledge that it can float on water and spread. In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

NUSUAL FIRE AND XPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

Autoignition temperature: 743°F

NON-REGULATED O.T.

oproved by U.S. Department of Labor "essentially similar" to form OSHA-20

ECTION V HE	ALTH HAZARD DATA	A 1998
areshold Limited Valu		
Effects of Overexposu	re Stearic acid is practically non-toxic.	
	INHALATION: Non hazardous.	
	EYES: No specific hazard is known. However, any material that cont	acts
	the eye, may be irritating.	
	SKIN: Low hazard. None expected. TNGESTION: Low hazard. None expected.	5550) comes
Employed to the term of term of the term of term of the term of the term of term of term of term of th	No specific measures indicated. Specific data is not available.	
Emergency and First Aid Procedures	This compound is considered to be of low hazard by ingestion or by contact. Exercise appropriate procedure to minimize potential hazards.	***

SECTION VI	REACT	IVITY DATA			
Unctak		Conditions to Avoid	(A)		
Stability Stable	х	Excessive temperature and heat.			
Incompatibility (Materials to avoid) Strong oxidizing agents.					
Hazardous Decomposition	Products	Combustion will produce carbon dioxidemits carbon monoxide.	ie, smoke and probably		
Hazardous Polym	erization	Conditions to Avoid			
May Occur	Will Not Occur				
	х	Not applicable.			
SECTION VI	I SPILL	OR LEAK PROCEDURE	S		
Steps to be tak material is rele		Remove all sources of ignition. Sweep up and place in a suitable	container.		
Waste Disposal Method Dispose of in an approved incinerator. Discharge, treatment, or disposal may be subject to federal, state, or local laws.					
SECTION VI	II SPECI	L PROTECTION INFOR	RMATION		
Respiration Protection (Specify Type)	to be designed in the second s	normal laboratory use. Dust mask, if			
Vantilation Loca	Exhaust	None needed Special	No No		
Meci	nanical (General)	Other			
Protective Glov	res None nee	Eye Protec	Chemical safety glasses.		
Other Protective Equipment Lab coat, eye wash station, fire extinguisher.					
SECTION IX SPECIAL PRECAUTIONS					
Precautions to be Taken in Handling and Storing Store in a cool dry place. Wash thoroughly after handling.					
Keep container tightly closed when not in use.					
Other Precautions Read label on container before using.					
For laboratory use only. Not for drug, food or household use. Keep out of reach of children.					
Rev. No. No.1	Date 1/12/87	Approved Alexander Picc			

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