

Material Safety Data Sheet Diethylaminosulfur trifluoride

MSDS# 82178

	Section 1 - Chemical Product and	Company Identification	
MSDS Name:	Diethylaminosulfur trifluoride		
Catalog Numbers:	AC216110000, AC216110050, AC216110250		
Synonyms:	DAST.		
Company Identification:		Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium	
Company Identification: (USA)		Acros Organics One Reagent Lane Fair Lawn, NJ 07410	
For information in the US, call:		800-ACROS-01	
For information in Europe, call:		+32 14 57 52 11	
Emergency Number, Europe:		+32 14 57 52 99	
Emergency Number US:		201-796-7100	
CHEMTREC Phone Number,	US:	800-424-9300	
CHEMTREC Phone Number,	Europe:	703-527-3887	

Section 2 - Composition, Information on Ingredients

CAS#:	38078-09-0
Chemical Name:	Diethylaminosulfur trifluoride
%:	95
EINECS#:	253-771-2

С

Hazard Symbols:



Risk Phrases:

10 14 35 5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Flammable liquid and vapor. Causes burns by all exposure routes. Reacts violently with water. Heating may cause an explosion. Target Organs: Respiratory system, gastrointestinal system, eyes, skin, mucous membranes.

Potential Health Effects

Eye: Causes severe eye burns.

Skin: Causes skin burns. Substance is readily absorbed through the skin.

Ingestion: Causes gastrointestinal tract burns. May cause burning sensations, coughing, wheezing, laryngitis, shortness of breath and headache.

Inhalation: Causes chemical burns to the respiratory tract. May cause asthma and shortness of breath. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Chronic: No information found.

Eyes:	•	lush eyes with plenty of water water with plenty of water with a second state with the second state of the	ater for at least 15 minute	es, occasionally lifting the upper and lower	
Skin:	Get medical ai	t medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing			
Ingestion:		contaminated clothing and shoes. Do not induce vomiting. Get medical aid immediately. Call a poison control center.			
Inhalation:	Get medical a difficult, give induce artifici	I aid immediately. Remove from exposure and move to fresh air immediately. If breathing is ve oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; icial respiration with the aid of a pocket mask equipped with a one-way valve or other proper medical device.			
Notes to Physician:					
		Section 5	5 - Fire Fighting Measure	25	
General Information:	or equivalents to a source	ent), and full protective ge	ear. Vapors may form an e c. Will burn if involved in	ressure-demand, MSHA/NIOSH (approved explosive mixture with air. Vapors can travel a fire. Containers may explode in the heat of er.	
Extinguishing Media:	g Use foam,	, dry chemical, or carbon o	dioxide. DO NOT USE V	WATER!	
Autoignition Temperature:					
Flash P	oint: 23 deg C	(73.40 deg F)			
Explo Limits: Lo	osion Not availa wer:	ble			
Explo Limits: Up	osion Not availa	ble			
NFPA Ra	ting: ; Special H	Hazard: -W-			
		Section 6	Accidental Release Meas	sures	
General Information:	Use proper j	personal protective equipr	nent as indicated in Secti	ion 8.	
Spills/Leaks:Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not expose spill to water. Do not get water inside containers. Do not let this chemical enter the environment.					
		Section	7 - Handling and Storage	2	
Do not allow water to get into the container because of violent reaction. Use spark-proof tools and explosion Handling: proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Do not allow contact with water. Use only in a chemical fume hood.					
NINIAVE	eep away from a ore in freezer.	sources of ignition. Store i	in a tightly closed contain	ner. Store in a dry area. Flammables-area.	
		-	sure Controls, Personal F	Protection	
				OSHA - Final PELs 	
Diethyla trifluor 	minosulfur de	none listed 	none listed 	 2.5 mg/m3 TWA (as dust) (listed under Fluorides).	
		+		+ +	

OSHA Vacated PELs: Diethylaminosulfur trifluoride: None listed Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes:	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: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Color: yellow to brown

Odor: Not available

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 30 - 32 deg C @ 3 mmHg

Freezing/Melting Point: Not available

Decomposition Temperature: Not available

Solubility in water: Reacts

Specific Gravity/Density: 1.316

Molecular Formula: C4H10F3NS

Molecular Weight: 161.18

Section 10 - Stability and Reactivity

Chemical Stability:		y:	May explode when heated. Reacts violently with water.		
Conditions to Avoid:		oid:	Incompatible materials, ignition sources, excess heat, exposure to moist air or water.		
Incompatibilities with Other Materials		with Other	Water, strong oxidizing agents, acids, strong bases, alcohols.		
Hazardous Decomposition Products		mposition	Hydrogen cyanide, sulfur dioxide, carbon monoxide, oxides of nitrogen, carbon dioxide, hydrogen fluoride gas.		
	Hazardous Polymerization		Has not been reported.		
			Section 11 - Toxicological Information		
RTECS#: CAS# 38078-0		CAS# 38078-0	09-0: None listed		
	LD50/LC50:	RTECS: Not av	vailable.		
	Carcinogenicity:	Diethylaminosu	lfur trifluoride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.		
		The toxicologic	cal properties have not been fully investigated.		
			Section 12 - Ecological Information		
Other: Do not empty into dr		Do not	empty into drains.		
			Section 13 - Disposal Considerations		
	Dispose of in a manner consistent with federal, state, and local regulations.				
	1		Section 14 - Transport Information		
US	S DOT				
Sh	ipping Name: Plea	ase contact Fishe	er Scientific for shipping information		
Ha	azard Class:				
Ul	N Number:				
Pa	cking Group:				
	inada TDG				
	Shipping Name: Not available				
Нε	azard Class:				

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 10 Flammable.

R 14 Reacts violently with water.

R 35 Causes severe burns.

R 5 Heating may cause an explosion.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 38078-09-0: Not available

Canada

CAS# 38078-09-0 is listed on Canada's DSL List

Canadian WHMIS Classifications: E, B6

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 38078-09-0 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 38078-09-0 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Other Information MSDS Creation Date: 3/03/1998 Revision #6 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
