

Degussa 

Degussa
Corporation

MATERIAL SAFETY DATA SHEET

Essentially similar to OSHA Form 20

Degussa Emergency #: (205) 653-0632
CHEMTREC Emergency #: (800) 424-9300

SECTION I - MANUFACTURER'S NAME / ADDRESS

Degussa Corporation, Rt. 46 @ Hollister Rd., P.O. Box 2004, Teterboro, N.J. 07608

Chemical Name: GAMMA-CHLOROPROPYLTRIETHOXSILANE

CAS #: 5089-70-3

Trade Name & Synonyms: Si 230

Synonyms:

Chemical Family: Silane

Formula: gamma-(C₂H₅O)₃Si(CH₂)₃Cl

SECTION II - HAZARDOUS INGREDIENTS

Name	CAS #	%	TLV (Units)	Name	CAS #	%	TLV (Units)

SECTION III - PHYSICAL DATA

Boiling Point (°F) (@ 1013 mbar)	435°	Specific Gravity (H ₂ O = 1)	1.004
Vapor Pressure (mbar) (68°F)	34	Percent Volatile by Volume (%)	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	Negligible	Decomposition Temperature (°F)	446°

Appearance and Odor:

Clear colorless liquid, aromatic odor.

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NOTICE: The data contained herein is based on information that Degussa believes to be reliable, but no expressed or implied warranty is made with regard to the accuracy or such data or its suitability for a given situation. Such data relates only to the specific product described and not to such product in combination with any other product and no agent of Degussa is authorized to vary any of such data. Degussa Corporation and its agents disclaim all liability for any actions taken or foregone on reliance upon such data.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup): 201°F (Abel-Pensky)	Flammable Limits NA	Lel —	Uel —
Extinguishing Media: Dry extinguisher, ABS foam, water spray, CO ₂			
Special Fire Fighting Procedures Wear self-contained breathing apparatus.			

Unusual Fire & Explosion Hazards:

Forms explosive gas/air mixtures due to formation of ethanol. Forms corrosive HCl gas upon burning. See hazardous decomposition products.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:	PEL (OSHA)	LD 50 > 14.1 ml/kg body wt. acute toxicity (RAT, ORAL)	LC 50
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Effects of Overexposure (Acute & Chronic):
No effects known.

Emergency First Aid Procedures

Eyes: Flush eyes 15 minutes with water.

Skin: Wash skin with soap and water.

Respiratory:

Ingestion: After peroral intake, expell material, induce vomiting if necessary.

Clothing:

SECTION VI - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid: Warm and high humidity storage.
	Stable	X	

Incompatability (Materials to Avoid):
Acids

Hazard Decomposition Products:

Hydrolysis products include ethanol. Care should be taken to avoid sources of ignition. High temperature (burning) by-products include HCl, care should be taken).

Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Absorb material using common oil absorber. Sweep, scoop up absorbed material. Dike off liquid mixtures with sand to prevent run off into groundwater.

Waste Disposal Method (Including Neutralization):

Recycle if possible. If recycling is not possible, dispose according to RCRA requirements.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):

Ventilation	Local Exhaust Recommended	Special
	Mechanical (General)	Other

Protective Gloves:

Recommended, rubber or plastic

Eye Protection:

Safety glasses, goggles or face shield

Other Protective Equipment:

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storage:

Store in cool, dry place away from open flame.

Other Precautions

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SECTION X - SHIPPING INFORMATION

Primary Hazard:

Secondary Hazard:

Proper DOT Shipping Name:

Not regulated for transportation purposes

Hazard Class

49 CFR Section Reference

Hazardous Substance?

Reportable Quantity

Label(s)	Placard(s)	UN Number:	_____
		UN Class:	_____
		STCC Number:	<u>2899991</u>
		NMFC Item:	<u>60000</u>
		UFC Item:	<u>33800</u>
		Shipping Restrictions:	

Container/Packaging Data

Authorized Container Type(s):

SECTION XI - EMERGENCY RESPONSE

Evacuation:

Containment - Immediate & Follow-up:

EMERGENCY RESPONSE CONTACT(S):

Degussa Corporation

Phone #:

(205) 653-0632

SECTION XII - PRODUCT INFORMATION CONTACTS

Degussa AG	Contact(s)	Address	Business Phone:
			Business Phone:
Degussa Corporation	Contact(s) Product Manager Facility Superintendent	Address Teterboro, New Jersey Theodore, Alabama	Business Phone: (201) 288-6500 Business Phone: (205) 653-7933

Date: 10/85

Prepared By: PSCC

Product Safety Compliance Committee
Degussa Corporation