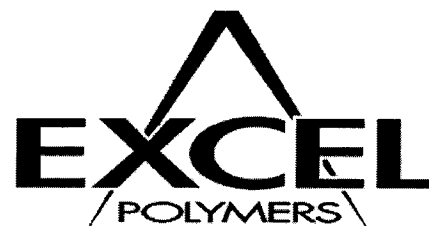


EXCEL POLYMERS LLC

MATERIAL SAFETY DATA SHEET



DSC-18 - 25# BAG

Version Number 1.1
Revision Date 10/06/2004

Page 1 of 6
Print Date 1/17/2005

1. PRODUCT AND COMPANY IDENTIFICATION

EXCEL POLYMERS LLC
14330 Kinsman Road, Burton, OH 44021

Telephone : Product Stewardship (440) 834-4644
Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name : DSC-18 - 25# BAG
Product code : AD0000058410
Chemical Name : Mixture
CAS-No. : Mixture
Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
3-(Triethoxysilyl)propanethiol	14814-09-6	60 - 100
Calcium silicate	1344-95-2	10 - 30

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. Ethanol is a decomposition product that may collect in the head space of the container.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Eyes, Inhalation, Skin contact, Ingestion

Acute exposure

Inhalation : Excessive inhalation of product vapors, especially during heating or processing, may be irritating to respiratory system.
Ingestion : This product hydrolyses in the stomach to form ethanol. May cause nausea, abdominal spasms and irritation of the mucous membranes.
Eyes : Mild eye irritation. Particulates, like other inert materials can be mechanically irritating.
Skin : Prolonged or repeated skin contact can cause de-fatting and drying of the skin which may result in skin irritation and dermatitis (rash).

MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305

**DSC-18 - 25# BAG**

Version Number 1.1

Revision Date 10/06/2004

Page 2 of 6

Print Date 1/17/2005

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions Aggravated by Exposure: : Repeated exposure to ethanol may aggravate liver injury produced from other causes.

4. FIRST AID MEASURES

Inhalation : Move to fresh air in case of accidental inhalation of vapours. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion : If conscious, drink plenty of water. When symptoms persist or in all cases of doubt seek medical advice.

Eyes : Immediately flush eye(s) with plenty of water. If eye irritation persists, seek medical attention.

Skin : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point : Not applicable

Flammable Limits

Upper explosion limit : No data available

Lower explosion limit : Not applicable

Autoignition temperature : No data available

Suitable extinguishing media : carbon dioxide (CO₂), alcohol-resistant foam, dry chemical.

Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment. Remove all sources of ignition.

Environmental precautions : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

Methods for cleaning up : Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE



DSC-18 - 25# BAG

Version Number 1.1

Revision Date 10/06/2004

Page 3 of 6

Print Date 1/17/2005

- Handling : Smoking, eating and drinking should be prohibited in the application area. Traces of ethanol may be present when first opening package.
- Storage : Keep away from open flames, hot surfaces and sources of ignition. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

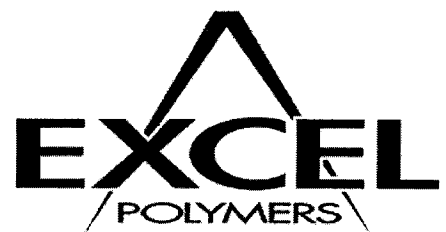
- Respiratory protection : No personal respiratory protective equipment normally required when handling the product itself. See "Engineering Measures" section below for precautions to be taken when heating or processing this material.
- Eye/Face Protection : Safety glasses with side-shields.
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved clothing.
- Additional Protective Measures : Safety shoes.
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.
- Engineering measures : Heat only in areas with appropriate exhaust ventilation. During processing, product can give off by-products such as ethanol. By-product vapors may be flammable. User must provide necessary precautions such as adequate ventilation to prevent accumulation and ignition of vapors.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Calcium silicate	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	10 mg/m3	Time Weighted Average (TWA):		ACGIH

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Solid
- Appearance : powder
- Color : NO PIGMENT
- Odor : mild
- Evaporation rate : Not established
- Specific Gravity: : 1.2
- Bulk density : Not determined
- Vapor pressure : Not determined



DSC-18 - 25# BAG

Version Number 1.1

Revision Date 10/06/2004

Page 4 of 6

Print Date 1/17/2005

Melting point/range : No data available Vapour density : Not determined
 Boiling Point: : Not applicable pH : Not applicable
 Water solubility : Practically insoluble

10. STABILITY AND REACTIVITY

Stability : Stable.
 Hazardous Polymerization : Will not occur.
 Conditions to avoid : Prolonged heating may result in product degradation. To avoid thermal decomposition, do not overheat.
 Incompatible Materials : Incompatible with acids and bases., Reacts with water or moisture to liberate ethanol.
 Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), sulfur oxides (SO_x), silicone oxides (SiO_x), other hazardous materials, and smoke are all possible. Reacts with water or moisture to liberate ethanol.

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
14814-09-6	3-(Triethoxysilyl)propanethiol	Irritant	Skin.
1344-95-2	Calcium silicate	Systemic effects	Eyes, Skin, Respiratory system.

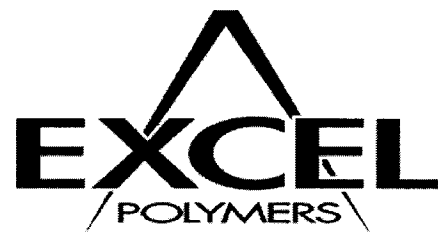
LC50 / LD50

This product contains the following components which, in their pure form, have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
14814-09-6	3-(Triethoxysilyl)propanethiol	Oral LD50	> 2,000 mg/kg	rat
		Dermal LD50	> 2,000 mg/kg	rabbit

12. ECOLOGICAL INFORMATION

Persistence and degradability : Not readily biodegradable.
 Environmental Toxicity : Environmental toxicity has not been established for this mixture as a whole.



DSC-18 - 25# BAG

Version Number 1.1

Revision Date 10/06/2004

Page 5 of 6

Print Date 1/17/2005

Bioaccumulation Potential : No data available

Additional advice : Not applicable

13. DISPOSAL CONSIDERATIONS

Product : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification : Not regulated for transportation.

ICAO/IATA (air) : Refer to specific regulation.

IMO / IMDG (maritime) : Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

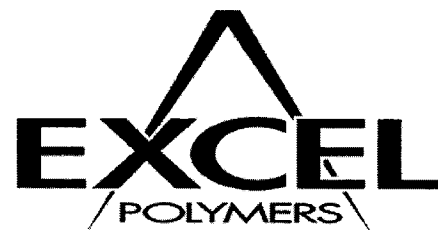
California Proposition 65 : This product does not contain a substance listed by California Prop 65.

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

EXCEL POLYMERS LLC

MATERIAL SAFETY DATA SHEET



DSC-18 - 25# BAG

Version Number 1.1

Revision Date 10/06/2004

Page 6 of 6

Print Date 1/17/2005

SARA Title III Section 313 Toxic Chemicals:

Not applicable
Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Not applicable

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

CAS-No.
64-17-5

DSL : All of the components of this product are listed on the Canadian Inventories or are exempt. However, at least one component of this product is on the Canadian Non-Domestic Substances List (NDSL). Quantity use in Canada is restricted by regulations.

National Inventories:

- Australia AICS : Listed
- China IECS : Listed
- Europe EINECS : Listed
- Japan ENCS : Listed
- Korea KECI : Listed
- Philippines PICCS : Listed

16. OTHER INFORMATION

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 when used in combination with any other materials and/or in any particular process or processing conditions.