

Advanced Chemistry & Technology

A·C·TECH[®]

7341 Anaconda Avenue, Garden Grove, California 92841 714/ 373-2837 Fax 714/ 373-1913

Material Safety Data Sheet AC-[®] 215 Class A Base

MSDS No: 32151-01
Effective: 11/18/05
Supercedes: 02/08/01
Page 1 of 6

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

SIN #834-100

Product ID: AC-215 Class A Base
Generic Description: Polysulfide sealant
Product Use: Access door sealant

For information, contact:
Advanced Chemistry & Technology
7341 Anaconda Avenue
Garden Grove, CA 92841-2921
714 - 373 - 2837

ChemTrec Emergency
1 - 800 - 424 - 9300

HAZARD RATINGS		
	HMIS	NFPA
Health	1*	1
Fire	3	3
Reactivity	0	0
* = Chronic		

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS #	Approximate % (w/w)
Limestone	1317 - 65 - 3	20 – 25
Toluene	108-88-3	5 – 10
Titanium Dioxide	13463 - 67 - 7	1 – 5
Terphenyl, hydrogenated	61788 - 32 - 7	1 – 5
Non - hazardous and other ingredients below reportable levels	Proprietary	Balance

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARRHEA. MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION. PROLONGED EXPOSURE MAY CAUSE EYE, NOSE AND RESPIRATORY TRACT IRRITATION. DO NOT SWALLOW.
See sections 3, 5, & 6.

PRIMARY ROUTES OF EXPOSURE: Eye. Skin. Inhalation (breathing).

EYE CONTACT: May cause slight to mild irritation.

SKIN CONTACT: Prolonged or repeated contact may cause irritation.

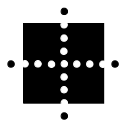
INHALATION (Breathing): Can be irritation to eyes, nose, and respiratory tract following prolonged exposure. Can cause dizziness, headaches, and loss of coordination. Nausea, vomiting, and stomach upset can occur. Can cause anesthetic and/or narcotic effects.

INGESTION (Swallowing): Exposure is unlikely. May cause nausea, vomiting, pain, and stomach upset (e.g., diarrhea).

TARGET ORGANS / CHRONIC EFFECTS: Lungs and respiratory system.

CONDITIONS AGGRAVATED BY EXPOSURE: Lungs and respiratory system.

CARCINOGENICITY:	ACGIH	IARC	NTP	OSHA
Limestone	No	No	No	No
Toluene	No	No	No	No
Titanium Dioxide	No	No	No	No
Terphenyl, hydrogenated	No	No	No	No



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4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re - use.

INHALATION (Breathing): Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

INGESTION (Swallowing): Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIANS: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

5. FIRE FIGHTING METHODS

Flash Point: 40°F (4°C)
Explosive Limits: LEL(%) Not Determined
Autoignition: Not Determined

Method: Setflash Closed Cup
UEL(%) Not Determined

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Other aldehydes. Oxides of sulfur. Hydrogen sulfide.

FIRE AND EXPLOSION HAZARDS: During a fire, irritating and highly toxic gases may be generated during combustion or decomposition.

EXTINGUISHING MEDIA: SMALL FIRES: Dry chemical, carbon dioxide, halon, water spray, or foam. LARGE FIRES: Water spray, fog, or alcohol foam.

FIRE FIGHTING PROCEDURES/EQUIPMENT: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH - approved positive pressure self - contained breathing apparatus (SCBA) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

EVACUATION: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.

CONTAINMENT: Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

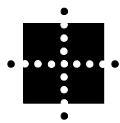
CLEAN - UP/PERSONAL PROTECTION EQUIPMENT: Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self - contained breathing apparatus in enclosed spaces or if airborne exposure limits can be exceeded. See Section 8.

COLLECTION AND DISPOSAL: Stop discharge, if safe to do so. Use proper protective equipment. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

REPORTING: Spills of this material in excess of a component's RQ must be reported to the National Response Center (1 - 800 - 424 - 8802) and to the appropriate state and local emergency response organizations.

Toluene

RQ = 1000 LB



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7. HANDLING AND STORAGE

STORAGE CONDITIONS: Store below 100°F. Store in cool, dry, well ventilated area.

TRANSFER: No special precautions are needed. Follow good manufacturing and handling practices.

PERSONAL HYGIENE: Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face-shield, and gloves. Professionally launder contaminated clothing before re - use.

EMPTY CONTAINER PRECAUTIONS: Attention! This container can be hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ACGIH - TLV

Limestone	10	mg/M ³	Total dust
Titanium Dioxide	10	mg/M ³	
Toluene	50	ppm.	
Terphenyl, hydrogenated	0.5	ppm - Ceiling	

OSHA - PEL

Limestone	5	mg/M ³	Resp. dust
Titanium Dioxide	10	mg/M ³	
Toluene	100	ppm	
Terphenyl, hydrogenated	0.5	ppm	

OSHA - STEL

Toluene	150	ppm	
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ENGINEERING CONTROLS/VENTILATION: Local exhaust ventilation is recommended when vapors, mists, or dusts can be released in excess of established airborne exposure limits (TLVs or PELs).

EYE PROTECTION: Wear chemical splash goggles or safety glasses with side shields. An eye wash facility should be readily available.

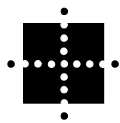
SKIN PROTECTION: Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA - approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self - contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red	Odor:	Sulfide
Physical State:	Paste	Solubility:	Insoluble
pH:	Not Applicable	Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable	Evaporation Rate:	Not Applicable
VOC Material:	80 g/l (0.67 lbs./gal)	Specific Gravity:	1.47
%Non - Vol.(w/w).....:	94		

NOTE: The physical data presented above are typical values and should not be construed as a specification.



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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers. Reducers. Acids.

11. TOXICITY INFORMATION

COMPONENTS:

Toluene:

Oral LD50	Rat	5,000	mg/kg
Dermal LD50	Rabbit	12,124	mg/kg
Inhalation LC50	Mouse	5,320	ppm/8-Hours

Limestone:

Repeated exposure to dusts can lead to particulate deposition in the lungs (i.e., pneumoconiosis). Can contain trace amounts of crystalline silica as an impurity.

Titanium Dioxide:

In a 2 - year study in rats, an increase in benign and malignant lung tumors was observed at 250-mg/M3 respirable dust level. This level is 50 times the current occupational exposure level and is not expected to correlate to human exposures.

Hydrogenated Terphenyl:

Terphenyl, hydrogenated:

Oral LD50	Rat	17,500	mg/kg
	Mouse	12,500	mg/kg
Dermal LD50	Rabbit	> 2,000	mg/kg

Terphenyl:

Oral LD50	Rat	13,200	mg/kg
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12 ECOLOGICAL INFORMATION

No data are available on this product.

13. DISPOSAL CONSIDERATIONS

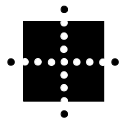
DISPOSAL: Dispose in accordance with all local, state, and federal regulations.

GENERAL STATEMENTS: Federal regulations may apply to empty container. State and/or local regulations may be different.

GENERAL RECOMMENDATIONS: Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

SPECIAL INSTRUCTIONS: Be sure to contact the appropriate government environmental agencies if further guidance is required.

14 TRANSPORT INFORMATION



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Weight (lb.)	Shipping Name	49 CFR	IATA	IMO
	Resin solution	Y	Y	Y
DOT Label.....:	Flammable Liquid	UN/NA Id Num....:	UN 1866	
Hazard Class.....:	3 (IATA/49CFR) 3.3 (IMO)	USPS Mailability	No	
Packaging Group:	III			

All the information in this section is for non-bulk packaging (119 gallons or less; 882 lbs. or less for solids).

15. REGULATORY INFORMATION

FEDERAL:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III - Section 311/312 - Hazard Categories:

- Y - Fire Hazard
- N - Sudden Release of Pressure Hazard
- N - Reactivity Hazard
- Y - Immediate (acute) Health Hazard
- Y - Delayed (chronic) Health Hazard

Ozone - Depleting Chemicals - No regulated ingredients.

SARA Section 302 Extremely Hazardous Mat - No regulated ingredients.

TSCA Section 8(d) Data Reporting Rule
Toluene

SARA Section 313 Toxic Chemicals –
Toluene

STATE RIGHT - TO - KNOW:

Pennsylvania - New Jersey R - T - K

Limestone	1317 - 65 - 3	20 – 25
Toluene	108-88-3	5 – 10
Titanium Dioxide	13463 - 67 - 7	1 – 5
Terphenyl, hydrogenated	61788 - 32 - 7	1 – 5
Non - hazardous trade secret ingredient(s)	Proprietary	Balance

California - California Proposition 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

Quartz (crystalline silica)	14808 - 60 - 7	< 0.01*
Toluene	108-88-3	5 - 10

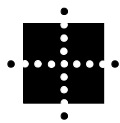
Cancer Hazard or Reproductive Hazard.

* Trace = present at less than 0.01 percent.

CONEG - No data available.

CANADA:

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).



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Class B Division 2

Class D Division 2 Sub-division A
Class D Division 2 Sub-division B

CEPA - NPRI - Toluene

16. OTHER INFORMATION

USER RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

End of Material Safety Data Sheet