

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-236 CLASS A BASE -- 8030-00-753-5010

===== Product Identification =====

Product ID:AC-236 CLASS A BASE

MSDS Date:06/22/2000

FSC:8030

NIIN:00-753-5010

Status Code:A

Kit Part:Y

MSDS Number: CLPFJ

=== Responsible Party ===

Company Name:ADVANCED CHEMISTRY & TECHNOLOGY

Address:7341 ANACONDA AVE

City:GARDEN GROVE

State:CA

ZIP:92841-2921

Country:US

Info Phone Num:714

-373-2837

Emergency Phone Num:1-800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:1DWR5

=== Contractor Identification ===

Company Name:ADVANCED CHEMISTRY & TECHNOLOGY

Address:7341 ANACONDA AVE

Box:City:GARDEN GROVE

State:CA

ZIP:92841-2921

Country:US

Phone:714-373-2837

CAGE:1DWR5

===== Composition/Information on Ingredients =====

Ingred Name:LIMESTONE

CAS:1317-65-3

RTECS #:EV9580000

= Wt:38.5

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:TOLU

ENE  
CAS:108-88-3  
RTECS #:XS5250000  
= Wt:13.  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:CALCIUM CARBONATE  
CAS:471-34-1  
RTECS #:FF9335000  
= Wt:3.

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
= Wt:2.2  
OSHA PEL:15 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:FORMALDEHYDE  
CAS:50-00-0  
RTECS #:LP8925000  
&lt; Wt:.1  
OSHA PEL:SEE 1910.1048  
ACGIH STEL:C0.37 MG/M3;C0.3 PPM  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE CONTACT: CAUSES SEVERE IRRITATION.  
CAN CAUSE BURNING SENSATION, TEARING, AND REDNESS. SKIN CONTACT:  
MAY CAUSE SLIGHT TO MILD IRRITATION. PROLONGED OR REPEATED CONTACT  
MAY DRY THE SKIN AND LEAD TO IRRITATION (I.E. DERMATITIS). MAY BE  
ABSORBED THROUGH THE SKIN. INHALATION (BREATHING): IRRI

TATION TO

THE EYES, NOSE, AND RESPIRATORY TRACT. CAN CAUSE DIZZINESS, HEADACHES, AND INCOORDINATION. NAUSEA, VOMITING, AND STOMACH UPSET CAN OCCUR. INGESTION (SWALLOWING): IRRITATION TO THE MOUTH, THROAT, AND STOMACH. MAY CAUSE NAUSEA, VOMITING, PAIN, AND STOMACH UPSET (E.G., DIARRHEA). CAN CAUSE DIZZINESS, FAINTNESS, HEADACHE, AND INCOORDINATI

Medical Cond Aggravated by Exposure:NERVOUS SYSTEM, SKIN. TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO SYMPTOMS, PROVIDING SUPPORTIVE THERAPY.

===== First Aid Measures =====

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN CONTACT: IMMEDIATELY FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING AND SHOES, GET MEDICAL ATTENTION IF IRRITATION PERSISTS.. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE ATTENTION. INGESTION (SWALLOWING): SEEK MEDICAL ATTENTION, IMMEDIATELY INDUCE VOMITING, AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====

Flash Point Method:SCC

Flash Point:=32.8C, 91.F

Extinguishing Media:SMALL FIRES: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY, OR FOAM. LARGE FIRES: WATER SPRAY, FOG, OR ALCOHOL FOAM.

Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCT

S OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION. HIGH TEMPERATURES CAN CAUSE SEALED CONTAINERS TO RUPTURE DUE TO BUILD UP OF INTERNAL PRESSURE. COOL WITH WATER. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION (FUME, ELECTRIC MOTOR, HOT SURFACE, CIG

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. ELIMINATE ALL SOURCES OF IGNITION. USE NON-SPARK TOOLS, EXPLOSION PROOF EQUIPMENT. 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.

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= Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT, IGNITION SOURCES, AND DIRECT SUNLIGHT, KEEP CONTAINERS TIGHTLY CLOSED.WARNING: HOT ORGANIC CHEMICAL VAPORS OR MISTS CAN SUDDENLY AND WITHOUT WARNING COMBUST WHEN MIXED WITH AIR. IGNITION CAN OCCUR AT TYPICAL ELEVATED TEMPERATURE PROCESS CONDIT

Other Precautions:ATTENTION! THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY. FOLLOW LABEL WARNING  
S EVEN AFTER CONTAINER IS EMPTIED SINCE  
EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES. DO NOT USE HEAT, SPARKS, OPEN FLAMES, TORCHES, CIGARETTES ON OR NEAR EMPTY CONTAINER. DO NOT RE-USE EMPTY CONTAINER WITHOUT PROFESSIONAL CLEANING FOR FOOD, C

===== Exposure Controls/Personal Protection =====

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.

Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED WHEN VAPORS, MISTS, OR DUSTS CAN BE RELEASED IN EXCESS OF ESTABLISHED AIRBORNE EXPOSURE LIMITS.

Protective Gloves:WEAR PROTECTIVE CLOTHING AND APPROPRIATE IMPERVIOUS GLOVES.

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SID

E

SHIELDS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES. WASHCONTAMINATED GOGGLES, FACE-SHIELD, AND GLOVES. PROFESSIONALLY LAUNDRER CONTAMINATED CLOTHI

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Spec Gravity:1.31

VOC Pounds/Gallon:183

Solubility in Water:INSOLUBLE

Appearance and Odor:OFF-WHITE PASTE/ LIQUID, SULFIDE ODOR

Corrosion Rate:1

.31

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZERS. REDUCERS. STRONG BASES. ACIDS.

Stability Condition to Avoid:HIGH TEMPERATURES.

Hazardous Decomposition Products:SMOKE, SOOT, AND TOXIC/IRRITATING FUMES(I.E., CARBON DIOXIDE, CARBON MONOXIDE, ETC.). FORMALDEHYDE AND/OR OTHER ALDEHYDES. OXIDES OF SULFUR. HYDROGEN SULFIDE. LOW MOLECULAR WEIGHT HYDROCARBONS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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===== Toxicological Information =====

Toxicological Information:LIMESTONE: REPEATED EXPOSURE TO DUSTS CAN LEAD TO PARTICULATE DEPOSITION IN THE LUNGS (PNEUMOCONIOSIS). CAN CONTAIN TRACE AMOUNTS OF CYRSTALLINE SILICA AS AN IMPURITY.

TOLUENE: ORAL LD50 RAT 5,000 MG /KG. DERMAL LD50 RABBIT 12,124

MG/KG. INHALATION LC50, MOUSE, 5,320 PPM/ 8 HOURS. CALCIUM

CARBONATE: REPEATED EXPOSURE TO DUSTS CAN LEAD TO PARTICULATE DEPOSITION IN THE LUNGS (PNEUMO

NOCONIOSIS). CARC IUM DIOXIDE: IN A

2 YEAR STUDY IN RATS, AN INCREASE IN BENIGN AND MALIGNANT LUNG

TUMORS WERE OBSERVED AT 250 MG/M3 REPIRABLE DUST LEVEL. THIS LEVEL

IS 50 TIMES THE CURRENT OCCUPATIONAL EXPOSURE LEVEL AND IS NOT

EXPECTED TO CORRELATE TO HU

===== Disposal Considerations =====

Waste Disposal Methods:WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL AS SUPPLIED, IT MEETS RCRA'S CHARACTERISTIC DEFINITION OF IGNITABILITY. FEDE

RAL REGULATIONS MAY APPLY TO EMPTY CONTAINER.  
STATE AND/OR LOCAL REGULATIONS MAY BE DIFFERENT.

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Regulatory Information  
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SARA Title III Information: SARA TITLE III - SECTION 311/312 HAZARD  
CATEGORIES: FIRE, ACUTE AND CHRONIC HAZARD. SARA  
SECTION 302 EXTREMELY HAZARDOUS MATERIAL FORMALDEHYDE SARA SECTION 313  
TOXIC CHEMICALS TOLUENE FORMALDEHYDE

Federal Regulatory Information: UNITED STATES CHEMICAL COMPONENTS THIS  
PRODUCT ARE

ON THE SECTION 8(B) CHEMICAL SUBSTANCE INVENTORY LIST

(40 CFR 710) TSCA: SECTION 8(D) DATA REPORTING RULE TOLUENE

State Regulatory Information: STATE RIGHT TO KNOW PENNSYLVANIA-NEW  
JERSEY R-T-K LIMESTONE 1317-65-3 38.5% TOLUENE ENVIRONMENTAL  
HAZARD 108-88-3 13.0% CALCIUM CARBONATE 474-34-1 3% TITANIUM  
DIOXIDE 13463-67-7 2.2% FORMALDEHYDE 50-00-0