

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

Product ID:AC-236 CLASS A BASE

MSDS Date:06/22/2000

FSC:8030

NIIN:00-753-4598

Status Code:A

Kit Part:Y

MSDS Number: CLPFN

=== 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:ERN

EST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:1DWR5

=== Contractor Identification ===

Company Name:ADVANCED CHEMISTRY & TECHNOLOGY

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Box:City:GARDEN GROVE

State:CA

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Country:US

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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:TOLUENE

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
< 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

===== 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): IRRITATION TO
THE EYES, NOSE, AND RESPIRATORY TRACT. CAN CAUSE D
IZZINESS,

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.

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===== 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 PRODUCTS 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, CIGARETTE, ETC.) AND FLASH BACK

===== 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.

===== 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
CONDITION

Other 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 USE HEAT,
SPARKS, OPEN FLAMES, TORCHES, CIGARETTES ON OR NEAR EMPTY
CONTAINER. DO NOT RE-USE EMPTY CONTAINER WITHOUT PROFESSIONAL
CLEANING FOR FOOD, CONTACT

===== 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 SIDE
SHIELDS.

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

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 =====

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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.

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

Toxicological Information: LIMESTONE: REPEATED EXPOSURE TO DUSTS CAN
LEAD TO PARTICULATE DEPOSITION IN THE LUNGS (PNEUMOCONIOSIS). CAN
CONTAIN TRACE AMOUNTS OF CRYSTALLINE 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 (PNEUMONCONIOSIS). CARCINOM 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. FEDERAL REGULATIONS MAY APPLY TO EMPTY CONTAINER.
STATE AND/OR LOCAL
REGULATION S MAY BE DIFFERENT.

===== Regulatory Information =====

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

R 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% FORMALALDEHYDE 50-00-0