

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-236 CLASS C BASE -- 8030-00-152-0012

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

Product ID:AC-236 CLASS C BASE

MSDS Date:04/01/1999

FSC:8030

NIIN:00-152-0012

Status Code:A

MSDS Number: CLPFT

=== 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:800-424-9300

Preparer's Name:ERNEST 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

ZIP:92841-2921

Country:US

Phone:714-373-2837

CAGE:1DWR5

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

Ingred Name:CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Minumum % Wt:10.

Maxumum % Wt:25.

Ingred Name:LIMESTONE

CAS:1317-65-

3

RTECS #:EV9580000
Minumum % Wt:10.
Maxumum % Wt:25.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Minumum % Wt:.5
Maxumum % Wt:1.
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 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

Ingred Name:PROPRIETARY

===== Hazards Identification =====

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: MAY CAUSE SLIGHT TO MILD
IRRITATION. SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE
IRRITATION. INHALATION: CAN BE IRRITATION TO EYES, NOSE, AND
RESPIRATORY EXPLOSION HAZARDS: DUR ING A FIRE, IRRITATING AND
HIGHLY TOXIC TRACT. INGESTION: MAY CAUSE NAUSEA, VOMITING, P

AIN,
AND STOMACH UPSET.
Medical Cond Aggravated by Exposure:LUNGS AND RESPIRATORY SYSTEM.

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

First Aid:EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.GET MEDICAL ATTENTION IF IRRITATION PERSISTS.SKIN CONTACT: FLUSH WITH WATER.REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL AT TENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR.IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL A TTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.INGESTION: 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:>93.3C, 200.F
Extinguishing Media:SMALL FIRES: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY, OR FOAM. LARGE FIRES: WATER SPRAY, FOG OR ALCOHOL FOAM.
Fire Fightin
g 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 CLOTHIN G.
Unusual Fire/Explosion Hazard:DURING A FIRE, IRRITATING AND HIGHLY TOXIC MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. SAFELY STOP DISCHARGE.CONTAIN MATERIAL, AS NECESSARY, WITH A DIKE OR BARRIER. STOP MATERIAL FROM CONTAMINATI NG SOIL, OR FROM ENTERING SEWERS OR BODIES OF WATER. USE SAFETY MEASURES AND PROTECTIVE EQUIPMENT. USE SUPPLIED AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS IN ENCLOSED SPACES.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILA

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AREA. TRANSFER: FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

Other Precautions:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, USING RESTROOM FACILITIES. WASH CONTAMINATED GOGGLES, FACE SHIELD, AND GLOVES. PROFESSIONALLY LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED EQUIPMENT. DETERMINE THE APPROPRIATE TYPE BY CONSULTING RESPIRATOR MANUFACTURER. HIGH AIRBORNE CONCENTRATIONS MAY NECESSITATE THE USE OF SELF-CONTAINED BREATHING APPARATUS (SC BA) 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.

Other Protective Equipment:FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES.

Supplemental Safety and Health

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

Spec Gravity:1.61

Solubility in Water:INSOLUBLE

Appearance

and Odor:OFF-WHITE PASTE, SULFIDE ODOR

Percent Volatiles by Volume:97%

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

Stability Indicator/Materials to Avoid:YES
OXIDIZERS, REDUCERS, ACIDS.

Hazardous Decomposition Products:SMOKE, SOOT, TOXIC/IRRITATING FUMES, CARBON DIOXIDE, CARBON MONOXIDE, FORMALDEHYDE, ALDEHYDES, OXIDES OF SULFUR, HYDROGEN SULFIDE.

Conditions to Avoid Polymerization:WILL NO OCCUR.

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

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Toxicological Information:CALCIUM CARBONATE AND LIMESTONE: REPEATED EXPOSURE TO DUSTS CAN LEAD TO PARTICULATE DEPOSITION IN THE LUNGS. CAN CONTAIN TRACE AMOUNTS OF CRYSTALLINE SILICA AS AN IMPURITY. TITANIUM DIOXIDE: IN A 2 YE AR STUDY IN RATS, AN INCREASE IN BENIGN AND MALIGNANT LUNG TUMORS WERE OBSERVED AT 250 MG/M3 RESPIRABLE DUST. THIS LEVEL IS 50 TIMES THE CURRENT OCCUPATIONAL EXPOSURE LIMIT AND IS NOT EXPECTED TO CORR ELATE TO HUMAN EXPOSURES. QUARTZ: CHRON IC EXPOSURE TO DUSTS CAN CAUSE SILICOSIS. STUDIES INDICATE THAT LUNG CANCER IS MORE PREVALENT IN INDIVIDUALS AFFECTED WITH SILICOSIS. FORMALDEHYDE: SEVERELY IRRI TATING TO EYES, SKIN AND RESPIRATORY.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

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