

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-615 CLASS A BASE -- 8030-00-584-4399

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

Product ID:AC-615 CLASS A BASE

MSDS Date:04/05/1999

FSC:8030

NIIN:00-584-4399

Status Code:A

Kit Part:Y

MSDS Number: CLQVT

=== Responsible Party ===

Company Name:ADVANCED CHEMISTRY & TECHNOLOGY

Address:7341 ANACONDA AVE

City:GARDEN GROVE

State:CA

ZIP:92841-2921

Country:US

Info Phone Num:71

4-373-2837

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

Minimum % Wt:25.

Maxumum % Wt:35.

OSHA PEL:15 MG/M3

ACGIH TLV:1

0 MG/M3

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

Minumum % Wt:10.

Maxumum % Wt:20.

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:STRONTIUM CHROMATE

CAS:7789-06-2

RTECS #:GB3240000

Minumum % Wt:1.

Maxumum % Wt:5.

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:0.0005 MG/M3

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:AROMATIC CARBOXYLIC ESTER

Minumum % Wt:1.

Maxumum % Wt:5.

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:EYE CONTACT: CAUSES SEVERE IRRITATION.

CAN CAUSE BURNING SENSATION, TEARING, AND REDNESS. SKIN CONTACT: CAUSES SEVERE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND LEAD TO IRRITATION (I.E. DERMATITIS). MAY BE ABSORBED THROUGH THE SKIN. MAY CAUSE ALLERGIC SKIN REACTION AND SENSITIZATION. INHALATION (BREATHING): IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TR

ACT. CAN CAUSE DIZZINES S, HEADACHES, AND

INCOORDINATION. NAUSEA, VOMITING, AND STOMACH UPSET CAN OCCUR.

INGESTION: SEVERELY IRRITATING TO THE MOUTH, THROAT, AND STOMACH.

MAY CAUSE NAUSEA, VOMITING, PAIN, AND STOMACH UPSET (E.G. DIARRHEA). CAN CAUSE DIZZINESS

Effects of Overexposure:EMERGENCY OVERVIEW: FLAMMABLE LIQUID AND VAPOR.

MAY CAUSE ALLERGIC SKIN REACTION AND SENSITIZATION. CAUSES SEVERE EYE IRRITATION. CAUSES SEVERE SKIN IRRITATION. CAUSES SEVERE DIGESTIVE T

RACT IRRITATI ON. INHALATION MAY CAUSE DIZZINESS,
HEADACHE AND INCOORDINATION. INGESTION CAN CAUSE DIZZINESS,
FAINTNESS, HEADACHE AND INCOORDINATION. MAY CAUSE RESPIRATORY TRACT
IRRITATION.

Medical Cond Aggravated by Exposure:LIVER, KIDNEYS. NERVOUS SYSTEM.
BLOOD AND/OR BLOOD-FORMING ORGANS, LUNGS AND RESPIRATORY SYSTEM.
SKIN, IMMUNE SYSTEMS AND/ OR SPECIFIC CHEMICAL ALLERGIES.

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

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

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

Flash Point Method:SCC

Flash Point:32.8C, 91.F

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

Fire Fighting Procedures:FIRE FIGHTERS AND ABOVE 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:HIGH TEMPERATURES CAN CAUSE SEALED
CONTAINERS TO RUPTURE DUE TO A BUILD UP OF INTERNAL PRESSURE, COOL
WITH WATER, VAPORS CAN TRAVEL TO A SOURCE OF IGNITION (FLAME,
ELECTRIC MOTOR, HOT SURFACE, CIGARETTE, ETC.) AND FLASH BACK.
DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED
DURING COMBUSTION OR DECOM

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

Spill Release Procedures

:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. ELIMINATE ALL SOURCES OF IGNITION. SAFELY STOP DISCHARGE. CONTAIN MATERIAL, AS NECESSARY, WITH A DIKE OR BARR IER. 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 S UNLIGHT. KEEP

CONTAINERS TIGHTLY CLOSED. WARNING: HOT ORGANIC CHEMICAL VAPORS OR MISTS CAN SUDDENLY AND WITHOUT W ARNING COMBUST WHEN MIXED WITH AIR. TRANSFER: CONTAINERS SHOULD BE SUPPORTED AND GROUNDED BEFORE O

Other Precautions:ATTENTION ! THIS CONTAINER 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 REUSE EMPTY CONTAINER WITHOUT PROFESSIONAL CLEANING FOR FOOD, CLOTHING

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

Respiratory Protection:AVOID BREATHING VAPOR AND/OR MISTS. INDUSTRIAL HYGIENE CONSULTATION IS RECOMMENDED BECAUSE AIRBORNE EXPOSURE LEVELS VARY DEPENDING ON THE NATURE OF THE OPERATION PERFORMED. WEAR NIOSH/MSHA APPROVED EQ UIPMENT. DETERMINE THE APPROPRIATE TYPE BY CONSULTING THE RESPIRATOR MANUFACTURER. HIGH AIRBORNE CONC

ENTRATIONS MAY NECESSITATE THE USE OF SELF CONTAINED BREATH

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 AND A FULL FACE SHIELD.

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

WASH CONTAMINATED GOGGLES FACE SHIELD, AND GLOVES.

Supplemental Safety and Health

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

Spec Gravity:1.47

VOC Pounds/Gallon:192

VOC Grams/Liter:1.6

Solubility in Water:INSOLUBLE

Appearance and Odor:RED LIQUID SULFIDE.

Percent Volatiles by Volume:87%

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

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

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 AIDEHYDES. 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 LUNG

S. CAN CONTAIN TRACE

AMOUNTS OF CYSTALLINE SILICA AS AN IMPURITY. STRONTIUM CHROMATE: CAN CAUSE LIVER AND KIDNEY INJ URY. POSSIBLE SKIN AND RESPIRATORY SENSITIZER. PENETRATING SLOW HEALING ULCERS MAY OCCUR AFTER CONTACT WITH NON-INTACT SKIN OR MUCOUS MEMBRANES. CHROMATE DUSTS HAVE BEEN SHOWN TO CAUSE LUNG AND OTHER CANCERS IN HUMANS AND LABORATORY ANIMALS. ACROMATIC CARBOXYLIC ESTER: DNIP ADMINISTERED TO RATS CAUSED LIVER ENLARGEMENT AND TUMORS OF THE LIVER AND TESTE

S.

===== 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 TON EMPTY CONTAINER. STATE AND/OR LOCAL REGULATIO NS MAY BE DIFFERENT.

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

SARA Title III Information:SECTION 311/312-HAZARD CATEGORIES: N-FIRE HAZARD, N-SUDDEN RELEASE O

F PRESSURE HAZARD, N-REACTIVITY HAZARD, Y-IMMEDIATE HEALTH HAZARD, Y-DELAYED HEALTH HAZARD.

Federal Regulatory Information:SARA 302 EXTREMELY HAZARDOUS MAT-NO REGULATED INGREDIENTS. SARA SECTION 313 TOXIC CHEMICALS . STONTIUM CHROMATE: CHROMIUM COMPOUNDS.

State Regulatory Information:PENNSYLVENIA-NEW JERSEY R-T-K LIMESTONE 1317-65-3 30-40

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

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