

ADVANCED CHEMISTRY & TECHNOLOGY -- MC-615 ACCELERATOR -- 8030-00-616-9191
===== Product Identification =====

Product ID:MC-615 ACCELERATOR
MSDS Date:01/21/1999
FSC:8030
NIIN:00-616-9191
Status Code:A
MSDS Number: CKYTL
=== 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
Em
ergency Phone Num:(800)424-9300
Preparer's Name:HENRY SIMMONS
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:MANGANESE OXIDE
CAS:1313-13-9
RTECS #:OP0350000
Minumum % Wt:60.
Maxumum % Wt:70.
OSHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:TERPHENYL, HYDROGENATED
CAS:61788-32-7
RTECS #:WZ6535000
Minumum % Wt:20.
Maxumum % Wt:30.
ACGIH TLV:4.9 MG/M3;0.5 PPM

Ingred Name:TERPHENYL
CAS:26140-60-3
RTECS #:WZ6450000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:C9 MG/M3;C1 PPM
ACGIH STEL:C5 MG/M3;C0.53 PPM

Ingred Name:1,3-DIPHENYLGUANIDINE
CAS:102-06-7
RTECS #:MF0875000
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:SODIUM HYDROXIDE
CAS:1310-73-2
RTECS #:WB4900000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:2 MG/M3
ACGIH STEL:C2 MG/
M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MODIFIED PHENOL
Minumum % Wt:1.
Maxumum % Wt:5.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:LIVER. KIDNEYS. NERVOUS SYSTEM. EYES.
SKIN.
Effects of Overexposure:EYE CONTACT: CAUSES SEVERE IRRITATION. CAN
CAUSE BURNING SENSATION. TEARING, AND REDNESS. SKIN CONTACT:MAY
CAUSE SLIGHT TO MILD IRRITATION. MAY BE ABSOR

BED THROUGH THE SKIN.

CAN CAUSE REDNESS, ITCHING, AND BURNING SENSATION.

INHALATION(BREATHING): CAN BE IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT FOLLOWING PROLONGED EXPOSURE. CAN CAUSE DIZZINESS, HEADACHES, AND INCOORDINATION. NAUSEA, VOMITING, AND STOMACH UPSET CAN OCCUR. INGESTION(SWALLOWING): SEVERELY IRRITATING TO THE MOUTH, THROAT, AND STOMACH. MAY CAUSE NAUSEA, VOMITING, PAIN, AND STOMACH UPSET (E.G, DIARRHEA).

Medical Cond Aggravated by Exposure:L

IVER. KIDNEYS. NERVOUS SYSTEM.

LUNGS AND RESPIRATORY SYSTEM. SKIN.

===== 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. REMOVE CONTAMINATED CLOTHING AND SHOE. GET IMMEDIATE MEDICAL ATTENTION. PROFESSIONALLY WASH CLOTHING BEFORE RE-USE. INHALATION: (BREATHING) REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOPS, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. INGESTION(SWALLOWING) SEEK MEDICAL ATTENTION. IMMEDIATELY INDUCE VOMITTING. 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 CHEMICALS, CARBON DIOXIDE, HALON, WATER SPRAY, OR FOAM. LARGE FIRES: WATER SPRAY, FOG, OR ALCOHOL FOAM.

Extinguishing Media:SMALL FIRES: DRY CHEMICALS, 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.

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

Spill Release Procedures:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY AND UNP

PROTECTED PERSONNEL FROM ENTERING. CONTAINMENT:

SAFETY STOP DISCHARGE. CONTAIN MATERIAL, WITH A DIKE OR A BARRIER. STOP MATERIAL FROM CONTAMINATING SOIL, OR FROM ENTERING SOIL, OR FROM ENTERING SEWERS OR BODIES OF WATER. CLEAN - UP/PERSONAL PROTECTION EQUIPMENT: APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOULD BE USED.

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

Handling and Storage Precautions: STORAGE CONDITIONS: STORE IN COOL, DRY
W

WELL VENTILATED AREA FROM HEAT, IGNITION SOURCES, AND DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED. TRANSFER: NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

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 RE-USE EMPTY CONTAINER WITHOUT PROFESSIONAL CLEANING FOR FOOD, CLOTHING OR CLOTHING FOR HUMAN OR ANIMAL CONSUMPTIONS OR WHERE SKIN CONTACT CAN OCCUR.

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

Respiratory Protection: AVOID BREATHING VAPOR AND/OR MISTS. WEAR NIOSHA/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 DUST CAN BE RELEASED IN EXCESS OF ESTABLISHED AIRBORNE EXPOSURE LIMITS (TLVS OR PELS.)

Protective Gloves: WEAR PROTECTIVE CLOTHING AND APPROPRIATE IMPERVIOUS GLOVES.

Eye Protection: WEAR CHEMICAL SPLASH GOGGLES. AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE.

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

FACILITIES.

WASH CONTAMINATED GOGGLES FACE SHIELD, AND GLOVES.

Supplemental Safety and Health

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

Vapor Pres.:1

Vapor Density:>1

Spec Gravity:1.9

Evaporation Rate & Reference:2000 MG/KG. TERPHENYL: ORAL LD50 RAT 13,200 MG/KG. 1,3-DIPHENYLGUADINE: ORAL LD50 RAT 507 MG/KG. MOUSE 290 MG/KG. MODIFIED PHENOL ORAL LD50 RAT 3,630 MG/KG. SODIUM HYDROXIDE: CORROSIVE! CAUSES EYE AND SKIN BURNS. DERMAL LD50 RABBIT 1000

MG/KG.

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

Waste Disposal Methods: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.

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

SARA Title III Information:SECTION 311/312 HAZARD CATEGORIES. N-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 313 TOXIC CHEMICALS MANGENESE OXIDE.

Federal Regulatory Information:THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

State Regulatory Information:PENNSYLVANIA-NEW JERSEY R-T-K MANGANESE OXIDE 1313-13-9, 60-70. TERPHENYL, HYDROGENATED 61788-32-7, 20-30. TERP

HENYL 26140-60-30, 1-5. 1,3-DIPHENYLGUANIDINE 102-06-7, 1-5.

MODIFIED PHENOL PROPRIETARY, 1-5. SODIUM HYDROXIDE 1310-73-2, 1-5. CALIFORNIA PROPOSITION 65-NO REGULATED INGREDIENTS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its

use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.