

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-615 ACCELERATOR -- 8030-00-152-0062
===== Product Identification =====

Product ID:AC-615 ACCELERATOR
MSDS Date:04/05/1999
FSC:8030
NIIN:00-152-0062
Status Code:A
Kit Part:Y
MSDS Number: CLRTX
=== 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: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:TERPHENYL
CAS:26140-60-3
RTECS #:WZ6450000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:C9 MG/M3;C1 PPM
ACGIH ST

EL: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: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: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:NON HAZARDOUS AND OTHER INGREDIENTS BELOW REPORTABLE LEVELS

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, LUNGS
AND RESPIRATORY SYSTEM. EYES. SKIN
Effects of Overexposure:EYE CONTACT: CAUSES SEVERE IRRITATION. CAN
C

AUSE BURNING SENSATION, TEARING, AND REDNESS. SKIN CONTACT: MAY CAUSE SLIGHT TO MILD IRRITATION. MAY BE ABSORBED THROUGH THE SKIN. CAN CAUSE REDNESS, ITCHING, AND BURNING SENSATION. INHALATION (BREATHING) CAN BE IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT FOLLOWING EXPOSURE. CAN CAUSE DIZZINESS, HEADACHES, AND INCOORDINATION. NAUSEA, VOMITING, AND STOMACH UPSET CAN OCCUR. CAN CAUSE WHEEZING, COUGHING, SHORTNESS OF BREATH, AND TIGHTNESS IN THE CHEST. INGES

TION (SWALLOWING): IRRITATING TO THE MOUTH, THROAT, AND STOMACH, MAY CAUSE NAUSEA, VOMITING, PAIN, AND STOMACH UPSET.

Medical Cond Aggravated by Exposure:LIVER. KIDNEYS. LUNGS AND RESPIRATORY SYSTEM. SKIN.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH AREA WITH PLENTY OF WATER FOR AT LEAST 15 MINUTE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN CONTACT: IMMEDIATELY FLUSH WITH WATER. REMOVE CONTAMINATED

CLOTHING AND SHOES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. PROFESSIONALLY WASH CLOTHING AND SHOES BEFORE RE-USE. INHALATION (BREATHING): REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. 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:>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 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 Hazar

d:DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

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

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

Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENTILATED AREA FROM HEAT, IGNITION SOURCES, AND DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED. NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

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 REUSE EMPTY CONTAINER WITHOUT PROFESSIONAL CLEANING FOR FOOD, CLOTHING, OR PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT CAN OCCUR.

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

Respiratory Protection: AVOID BREATHING VAPOR AND/OR MISTS. WEAR NIOSH/MSHA-APPROVED EQUIPMENT. DETERMINE THE APPROPRIATE TYPE BY CONSULTING THE RESPIRATOR MANUFACTURER. HIGH AIRBORNE CONCENTRATION. MAY NECESSITATE THE USE OF SELF-CONTAINED BREATHING APPARATUS (SCBA) OR A SUPPLIED AIR RESPIRATOR.

Ventilation: LOCAL EXHAUST VENTILATION WHEN VAPORS, MISTS, OR DUSTS CAN BE RELEASED IN EXCESS OF ESTABLISHED AIRBORNE EXPOSURE LIMITS (TLV'S OR PEL'S)

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. WASH CONTAMINATED GOGGLES, FACE-SHIELD, AND GLOVES.

Supplemental Safety and Health

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

Vapor Density:>1

Spec Gravity:1.9

Evaporation Rate & Reference:2,000 MG/KG 1,3-DIPHENYLGUANIDINE

ORAL LD50 RAT 507 MG/KG MOUSE 290 MG/KG TERPHENYL ORAL LD50 RAT 13,2000 MG/KG

ETHOXYLATED NONYLPHENOL PHOSPHATE ORAL LD50 RAT

3630 MG/KG SODIUM HYDROXIDE DERMAL LD50 RABBIT 1000 KG/KG

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. BASED UPON ENVIRONMENTAL ACCEPTABILITY. (1) RECYCLE OR REWORK, IF FEASIBLE; (2) INCINERATE AT AN AUTHORIZED FACILITY; OR (3) TREAT AT AN ACCEPTABLE WASTE TREATMENT FACILITY.

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

SARA Title III Information:SECTION 311-312 - HAZARD CATEGORIES:

IMMEDIATE (ACUTE) HEALTH HAZARD AND DELAYED (CHRONIC HEALTH HAZARD) OZONE - DEPLETING CHEMICALS - NO REGULATED INGREDIENTS. SARA SECTION 313 TOXIC CHEMICALS MANGANESE OXIDE

Federal Regulatory Information:UNITED STATES CHEMICAL COMPONENTS THIS PRODUCT ARE ON THE SECTION 8(B) CHEMICAL SUBSTANCE INVENTORY LIST (40 CFR 710)

State Regulatory Information:PENNSYLVANIA-NEW JERSEY R-T-K MANGANESE

OXIDE 1313-13-9 60-70% TERPHENYL, HYDROGENATED 618-32-7 20-30% TERPHENYL 26140-60-3 1-5% 1,3-DIPHENYLGUANIDINE 102-06-7 1-5%

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

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

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.