

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-236 ACCELERATOR -- 8030-00-007-8337
===== Product Identification =====

Product ID:AC-236 ACCELERATOR
MSDS Date:04/27/1999
FSC:8030
NIIN:00-007-8337
Status Code:A
Kit Part:Y
MSDS Number: CLKPP
=== 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:RYAN MICKELSON
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
= Wt:66.4
OSHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:TERPHENYL, HYDROGENATED
CAS:6178

8-32-7
RTECS #:WZ6535000
= Wt:22.7
ACGIH TLV:4.9 MG/M3;0.5 PPM

Ingred Name:1,3-DIPHENYLGUANIDINE
CAS:102-06-7
RTECS #:MF0875000
= Wt:.7

Ingred Name:TERPHENYL
CAS:26140-60-3
RTECS #:WZ6450000
= Wt:4.8
OSHA PEL:C9 MG/M3;C1 PPM
ACGIH STEL:C5 MG/M3;C0.53 PPM

Ingred Name:ETHOXYLATED NONYLPHENOL PHOSPHATE
CAS:51811-79-1
Code:F
= Wt:2.9

Ingred Name:SODIUM HYDROXIDE
CAS:1310-73-2
RTECS #:WB4900000
= Wt:1.4
OSHA PEL:2 MG/M3
ACGIH STEL:C2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NO
N-HAZARDOUS AND OTHER INGREDIENTS BELOW REPORTABLE LEVELS

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: MAY CAUSE MODERATE
IRRITATION. SKIN CONTACT: MAY CAUS SLIGHT TO MILD IRRITATION. MAY
CAUSE ALLERGIC SKIN REACTIONS AND SENSITIZATION. INHALATION
(BREATHING): IRRITATING TO THE EYES, NO SE, AND RESPIRATORY TRACT.
CAN CAUSE DIZZINESS, HEADACHES, AND INCOO

RDINATION. INGESTION

(SWALLOWING): IRRITATING TO THE MOUTH, THROAT, AND STOMACH. MAY CAUSE NAUSEA, VOMITING, PAIN, AND STOMACH UPSE T. TARGET ORGANS/CHRONIC EFFECTS: LIVER, KIDNEYS, NERVOUS SYSTEM, BLOOD AND/OR BLOOD-FORMING ORGANS. LUNGS AND RESPIRATORY SYSTEM. REPRODUCTIVE SYSTEM (AND REPRODUCTIVE EFFECTS). EYES, SKIN, IMMUNE SYSTEM, (ALLERGIC REACTIONS).

Effects of Overexposure:EMERGENCY OVERVIEW: MAY CAUSE ALLERGIC SKIN REACTION AND SENSITIZATION. INHALATION MAY CAUSE DIZZINESS, HEADACHE AND INCOORDINATION. MAY CAUSE MODERATE EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT IRR ITATION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARHEA, MAY CAUSE SKIN IRRITATION.

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

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

First Aid

:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN CONTACT: IMMEDIATELY FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHI NG 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 MEDI CAL ATTENTION. 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 UNCON SCIOUS 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 FIGHTING PRODCEDURES/EQUIPMENT: FIRE FIGHTE

RS 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, HIGHLY TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. ELIMINATE ALL SOURCES OF IGNITION. CONTAINMENT: 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. CLEAN-UP/PERSONAL PROTECTION EQUIPMENT: APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOULD

===== 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.

Other Precautions:TRANSFER: NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

===== 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 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:IMPERVIOUS GLOVES. CONSULT GLOVE MANUFACTURER

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices

ces:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY
BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES.
WASH CONTAMINATED GOGGLES FACE-SHIELD, AND GLOVES. PROFESSIONALLY
LAUNDRER CONTAMINATED CLOTHIN
Supplemental Safety and Health

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

Vapor Pres:0.1 MM HG
Vapor Density:>1
Spec Gravity:2.1
Evaporation Rate & Reference:.,1 (BUTYL ACETATE)
Solubility in Water:INSOLUBLE
Appearance and Odor:BLACK PASTE DISTINCT O
DOR

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

Stability Indicator/Materials to Avoid:YES
OXIDIZERS, ACIDS.
Stability Condition to Avoid:HIGH TEMPERATURES

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

Toxicological Information:MANGANESE OXIDE: EYE, SKIN, AND RESPIRATORY
TRACT IRRITANT. CAN CAUSE LIVER AND KIDNEY INJURY. TERPHENYL,
HYDROGENATED: 1,3 DIPHENYLGUANIDINE; TERPHENYL, ETHOXYLATED
NONYLPHENOL PHOSPHATE: SODIUM HYDR OXIDE: COR
ROSIVE CAUSES EYE AND
SKIN BURNS.

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

Waste Disposal Methods:COLLECTION AND DISPOSAL: STOP DISCHARGE, IF SAFE
TO DO SO. USE PROPER PROTECTIVE EQUIPMENT. COVER SPILLS WITH
ABSORBENT CLAY OR SAWDUST AND PLACE IN CLOSED CHEMICAL WASTE
CONTAINERS. DISPOSE OF ACCORD ING TO APPLICABLE LOCAL, STATE AND
FEDERAL REGULATIONS. REPORTING: SPILLS OF THIS MATERIAL IN EXCES S
OF A COMPONENTS RQ MUST BE REPORTED TO THE NA
TIO

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

SARA Title III Information:THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER
THE OSHA HAZARD COMMUNICATION STANDARD (29 CRF 1910.1200). SECTION
311/312-HAZARD CATEGORIES: IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED
(CHRONIC) HEALTH HAZAR D SECTION 313 TOXIC CHEMICALS MANGANESE
OXIDE. CHEMICAL COMPONENTS IN THIS PRODUCT ARE ON THE SECTION 8(B)
CHEMICAL SUBSTANCE INVENTORY LIST (40 CFR 710).
State Regulatory Infor

mation: PENNSYLVANIA-NEW JERSEY R-T-K MANGANESE

OXIDE 1313-13-9 66.4, TERPHENYL, HYDROGENATED 61788-32-7 22.7,

1,3-DIPHENYLQUANIDINE 102-06-7 07, TERPHENYL 26140-60-3 4.8,

ETHOXYLATED NONYLPHENOL PHOSPHATE 51 811-79-1 2.9, SODIUM HYDROXIDE
1310-73-2 1.4,

===== 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.