

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-236 ACCELERATOR -- 8030-00-080-1549  
===== Product Identification =====

Product ID:AC-236 ACCELERATOR  
MSDS Date:04/27/1999  
FSC:8030  
NIIN:00-080-1549  
Status Code:A  
Kit Part:Y  
MSDS Number: CLKPV  
=== 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.

===== 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 SH

===== 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:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES.  
W

ASH CONTAMINATED GOGGLES FACE-SHIELD, AND GLOVES. PROFESSIONALLY  
LAUNDER CONTAMINATED CLOTHIN  
Supplemental Safety and Health

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

Vapor Pres:0.1 MM HG  
Vapor Density:>1  
Spec Gravity:2.1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:BLACK PASTE DISTINCT ODOR

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

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

===== 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: CORROSIVE CAUSES EYE AND  
SKIN BURNS.

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

Waste Disposal Methods:COLLECTION AND DISPOSAL: STOP DISCHARGE, I  
F 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 NATIO

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

SARA Title III Information:THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER  
THE OSHA HAZARD COMMUNIC

ATION STANDARD (29 CFR 1910.1200). SECTION

311/312-HAZARD CATEGORIES: IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH HAZARD 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 Information: 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,

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