

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

Product ID:AC-236 ACCELERATOR

MSDS Date:04/27/1999

FSC:8030

NIIN:00-753-5009

Status Code:A

Kit Part:Y

MSDS Number: CLKQF

=== 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:61788-32-7

RTECS #:WZ6535000

= Wt:22.7

ACGIH TLV:4.9 MG/M3;0.5 PPM

ngred 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:NON-HAZARDOUS AND OTHER INGREDIENTS BELOW REPORTABLE LEVELS

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===== 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 INCOORDINATION. 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 MODE

RATE EYE IRRITATION. MAY

CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARRHEA, 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 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: SEEK MEDICAL ATTENTION. IMMEDIATELY INDUCE VOMITING, AS D

IRECTED 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 FIGHTING PROCEDURES/EQUIPMENT: 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 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

ATING 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 HAN  
DLING 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 O F SELF-CONTAINED BREATHING  
APPARATUS (SCBA) OR A SUPPLIED AIR RESPIRATOR. RESPIRATORY  
PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH 29 CFR 1910.134.  
Ventilation:LOCAL E  
XHAUST 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.  
WASH 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 TEMPERATURES

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

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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, 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 NATIO

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

SARA Title III Information:THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). SECTION 311/312-HAZARD CAT EGORIES: 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 Information:PENNSYLVENIA-NEW JERSEY R-T-K MANGANESE OXIDE 1313-13-9 66.4, TERPHENYL, HYDORGENATED 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, SODI UM HYDROXIDE 1310-73-2 1.4,

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

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