

ADVANCED CHEMISTRY & TECHNOLOGY -- AC-615 ACCELERATOR -- 8030-00-584-4399

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Product Identification
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Product ID:AC-615 ACCELERATOR

MSDS Date:04/05/1999

FSC:8030

NIIN:00-584-4399

Status Code:A

Kit Part:Y

MSDS Number: CLGJZ

=== 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

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Composition/Information on Ingredients
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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:TERPHENY

L, 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:MODIFIED PHENOL
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:NON-HAZARDOUS AND OTHER INGREDIENTS BELOW REPORTABLE LEVELS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:EMERGENCY OVERVIEW: CAUSES SEVERE EYE
IRRITATION. INHALATION MAY CAUSE DIZZINESS, HEADACHE AND
INCOORDINTION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INGESTION MAY
CAUSE NA

USE. VOMITING, PAIN, UPSET STOMACH, DIARRHEA. INHALATION MAY CAUSE NAUSEA, VOMITING, UPSET STOMACH. MAY CAUSE SKIN IRRITATION, PROLONGED EXPOSURE MAY CAUSE EYE, NOSE, AND RESPIRATORY TRACT IRRITATION (SEE SECTIONS 3,5,6). TARGET ORGANS/CHRONIC EFFECTS: LIVER, KIDNEYS, NERVOUS SYSTEM. LUNGS AND RESPIRATORY SYSTEM. EYES, SKIN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:PRIMARY ROUTES OF EXPOSURE: EYE, SKIN, INHALATION. EYE CONTACT: SEVERE IRRITATION. ABSORBED THROUGH SKIN.

CAUSES, REDNESS, ITCHING, AND BURNING SENSATION. INHALATION: CAN BE IRRITATING TO EYES, NOSE, AND RESPIRATORY TRACT FOLLOWING PROLONGED EXPOSURE. CAUSES DIZZINESS, HEADACHES, AND INCOORDINATION. NAUSEA, VOMITING, AND STOMACH UPSET CAN OCCUR. CAN CAUSE WHEEZING, COUGHING, SHORTNESS OF BREATH, AND TIGHTNESS IN THE CHEST. INGESTION: IRRITATING TO THE MOUTH, THROAT, AND STOMACH. MAY CAUSE NAUSEA, VOMITING, PAIN AND STOMACH UPSET.

Medical Cond Aggravated

by Exposure:CONDITIONS AGGRAVATED BY EXPOSURE: LIVER, KIDNEYS. LUNGS AND RESPIRATORY SYSTEM. SKIN.

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

First Aid:EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN CONTACT: FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.PROFESSIONALLY WASH CLOTHING AND SHOES BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING CPR.INGESTION:SEEK MEDICAL ATTENTION. IMMEDIATELY INDUCE VOMITING, AS DIRECTED BY PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSONS.

===== Fire Fighting Measures =====

Flash Point Method:SCC

Flash Point:>93.3C, 199.9F

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 AND FULL PROTECTIVE CLOTHING.

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

Spill Release Procedures:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY UNPROTECTED PERSONNEL FROM ENTERING. 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. CLEANUP/PERSONAL EQUIPMENT: APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOULD BE USED. USE SUPPLIED AIR RESPIRATOR.

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

Handling and Storage Precautions:STORAGE CONDITIONS:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY 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 CAN BE 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 PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT CAN OCCUR.

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

Respiratory Protection:AVOID BREATHING VAPOR AND/OR MISTS. WEAR NIOSH/MSHA-APPROVED EQUIPMENT. DETERMINE EQUIPMENT. DETERMINE THE APPROPRIATE TYPE BY CONSULTING THE RESPIRATOR MANUFACTURER. HIGH AIRBORNE CONCENTRATIONS MAY NECESSITATE THE USE OF SELF CONTAINED BREATHING APPARATUS OR A SUPPLIED AIR RESPIRATOR. RESPIRATORY PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH 29CFR1910.134

Ventilation:LOCAL EXHAUST VENTILATION

ON IS RECOMMENDED WHEN VAPORS,
MISTS, OR DUSTS CAN BE RELEASED IN EXCESS OF ESTABLISHED AIRBORNE
EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES, CONSULT GLOVE MANUFACTURER TO
DETERMINE PROPER TYPE

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

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 Pres:0.1

Vapor Density:>1

Spec Gravity:1.9

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

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

Waste Disposal Methods:COLLECTION AND DISPOSAL: SHOVEL OR VACUUM
MATERIAL AND PLACE IN CHEMICAL WASTE CONTAINERS. DISPOSE OF
ACCORDING TO APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
REPORTING- SPILLS OF THIS MATERIAL I N EXCESS OF COMPONENTS RQ MUST
BE REPORTED TO THE NATIONAL REPOSE CENTER (1-800-424-8802) AND TO
TH E APPROPRIATE STATE AND LOCAL EMERGENCY ORG.

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

SARA Title III Information:SECTION 311

/312-HAZARD CATEGORIES:N-FIRE

HAZARD NO-SUDDEN RELEASE OF PRESSURE HAZARD N-REACTIVITY HAZARD
Y-IMMEDIATE HEALTH HAZARD Y-DELAYED HEALTH HAZARD OZONE-DEPLETING
CHEMICALS-NO REGULATED INGRED IENTS. SARA SECTION 302 EXTREMELY
HAZARDOUS MAT-NO REGULATED INGREDIENTS. SARA SECTION 313 TOXIC
CHEMICALS MANGANESE OXIDE CHEMICAL LISTING-LISTED ON THE FOLLOWING
COUNTRY'S CHEMICAL INVENTORIES; U.S. CHEMICAL COMPONENTS IN THIS
PRODUCT ARE ON THE SECTION 8B CHEMICAL SUBSTANCE INV

ENTORY LIST
(40CFR710)

State Regulatory Information: PENNSYLVANIA-NEW JERSEY R-T-K
CALIFORNIA-CALIFORNIA PROPOSITION 65-NO REGULATED INGREDIENTS.
CONEG-NO DATA AVAILABLE. CEPA-NPRI MANGANESE OXIDE CANADA THIS IS A
CONTROLLED PRODUCT UNDER THE CANADIAN WORKPLACE HAZARDOUS
MATERIALS INFORMATION SYSTEM (WHMIS). CLASS D 2 SUB-DIVISION B

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

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