

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

Product ID:AC-275 ACCELERATOR

MSDS Date:04/05/1999

FSC:8030

NIIN:00-560-8758

Status Code:A

MSDS Number: CLKJT

=== 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

Che

mtrec Ind/Phone:(800)424-9300

CAGE:1DWR5

=== Contractor Identification ===

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Box:City:GARDEN GROVE

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CAGE:1DWR5

===== Composition/Information on Ingredients =====

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 #:WZ6535

000
Minumum % Wt:20.
Maxumum % Wt:30.
ACGIH TLV:4.9 MG/M3;0.5 PPM

Ingred Name:1,3-DIPHENYLGUANIDINE
CAS:102-06-7
RTECS #:MF0875000
Minumum % Wt:1.
Maxumum % Wt:5.

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:ETHOXYLATED NONYLPHENOL PHOSPHATE
CAS:51811-79-1
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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:LIVER, KIDNEYS, NERVOUS SYSTEM. BLOOD
AND/OR BLOOD-FORMING ORGANS. LUNGS AND RESPIRATORY SYSTEM.
REPRODUCTIVE SYSTEM (AND REPRODUCTIVE EFFECTS). EYES. SKIN. IMMUNE
SYSTEM, (E.G., ALLERGIC REACTIONS).
Effects of Overexposure:EYE CONTACT: MAY CAUSE MODERA

TE IRRITATION.

SKIN CONTACT: MAY CAUSE SLIGHT TO MILD IRRITATION, MAY CAUSE ALLERGIC SKIN REACTIONS AND SENSITIZATION. INHALATION: IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT. CAN CAUSE DIZZINESS, HEADACHES, AND INCOORDINATION. INGESTION: IRRITATING TO THE MOUTH, THROAT, AND STOMACH. MAY CAUSE NAUSEA, VOMITING, PAIN, AND STOMACH UPSET (E.G., DIARRHEA).

Medical Cond Aggravated by Exposure:LIVER, KIDNEYS, LUNGS AND RESPIRATORY SYSTEM. SKIN. IMMUNE SYSTEM 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 CLOTHIN G 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 Hazard:DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

Spi

II 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. 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.

===== Handling and Storage =====
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Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENTILATED AREA, IGNITION SOURCES, AND DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions: 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 OR MIST. 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. RESPIRATORY PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH 29 CFR 1910.134

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 SIDE SHIELDS

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES. WASH CONTAMINATED GOGGLES, FACE-SHIELD, AND GLOVES.

Supplement

al Safety and Health

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

Vapor Pres:0.1 MMHG

Vapor Density:> AIR

Spec Gravity:2.1

Evaporation Rate & Reference:2,000 MG/KG 1,3- DIPHENYLQUANIDINE: ORAL RAT 507 MG/KG
MOUSE

290 MG/KG TERPHENYL ORAL LD50 RAT 13,200 MG/KG ETHOXYLATED
NONYLPHENOL PHOSPHATE ORAL LD50 RAT 3,630 MG/KG SODIUM HYDROXIDE:
CORROSIVE! CAUSE EYE AND SKIN BURNS. DERMAL LD50 RABBIT 1000
MG/KG.

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

Waste Disposal Methods:OF THE METHODS OF DISPOSAL CURRENTLY AVAILABLE,
IT IS RECOMMENDED THAT AN ALTERNATIVE BE ACCORDING TO THE FOLLOWING
ORDER OF PREFERENCE. 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

AND DELAYED HEALTH HAZARD. SARA SECTION 302 EXTREMELY HAZARDOUS
MATERIAL-NO REGULATED INGREDIENTS SARA SECTION 313 TOXIC CHEMICALS
MANGANESE OXIDE

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

State Regulatory Information:STATE RIGHT TO KNOW PENNSYLVANIA-NEW

JERSEY R-T-K MANGANESE OXIDE 1313-13-9 60-70% TERPHENYL,
HYDROGENATED 61788-32-7 20-30% 1,3 ? DIPHENYLQU

ANIDINE 102-06 1-5%

TERPHENYL 26140-60-3 1-5% ETHOXYLATED NONYLPHENOL PHOSPHATE
51811-79-1 1-5% SODIUM HYDROXIDE 1310-73-2 1-5% WATER 7732-18-5
1-5% CALIFORNIA ? CALIFORNIA PROPOSITION 65-NO REGULATED
INGREDIENTS

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