

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

Product ID:AC-236 ACCELERATOR

MSDS Date:06/26/2000

FSC:8030

NIIN:00-753-5004

Status Code:A

MSDS Number: CLKHF

=== 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

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CAGE:1DWR5

=== Contractor Identification ===

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===== 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:HYDROGENATED TERPHENYL

CAS:61788-32-7

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
= Wt:4.8

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

===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic: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, (E.G., ALLERGIC REACTIONS).
Effects of Overexposure:EYE CONTACT: MAY CAUSE MODERATE IRRITATION
SKIN CONTACT: MAY CAUSE SLIGHT TO MILD IRRITATION. MAY CAUSE
ALLERGIC SKIN REACTIONS AND SENSITIZATION.
NS. INHALATION
(BREATHING): IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT.
CAN CAUSE DIZZINESS, HEADACHE, AND INCOORDINATION. INGESTION
(SWALLOWING): IRRITATING TO THE MOUTH. 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 C

ONTACT: 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 MEDIC AL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL
RESPIRATION. INGESTION (SW
ALLOWING): SEEK MEDICAL ATTENTION:
IMMEDIATELY INDUCE VOMITING, AS DIRECTED BY MEDICAL PERSONNEL.
NEVER GIVE ANYTHING BY MOUT H 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 T
O

THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH-APPROVED
POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND
FULL PROTECTIVE CLOTHIN G.

Unusual Fire/Explosion Hazard:DURING A FIRE, IRRITATING AND HIGHLY
TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures:ISOLATE HAZARD AREA. KEEP UNNECESSARY AND
UNPROTECTED PERSONNEL FROM ENTERING. SAFETY STOP DI
SCHARGE.

CONTAIN MATERIAL, AS NECESSARY, WITH A DIKE OR BARRIER. STOP
MATERIAL FROM CONTAMINATING SOIL, OR FROM ENTERING SEWERS OF
BODIES OF WATER. APPROPRIATE SAFETY MEASURES AND PROTECTIVE
EQUIPMENT SHOULD BE USED. USE SUPPLIED AIR RESPIRATOR OF
SELF-CONTAINED BREATHING APPARATUS IN ENCLOSED SPACES.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA AWAY FROM HEAT, IGNITION SO

URCES, AND DIRECT SUNLIGHT. KEEP

CONTAINERS TIGHTLY CLOSES. TRANSFER- NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

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.

Supplemental Safety and Health

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

Vapor Pres:0.1 MM HG

Vapor Density:>1

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:DISPOSE OF A

CCORDING TO APPLICABLE LOCAL, STATE
AND FEDERAL REGULATIONS OF THE METHODS OF DISPOSAL CURRENTLY
AVAILABLE, IT IS RECOMMENDED THAT AN ALTERNATIVE BE ACCORDING OR
THE FOLLOWING ORDER OF PRE FERENCE. BASED UPON ENVIRONMENTAL
ACCEPTABILITY. (1) RECYCLE OR REWORK, IF FEASIBLE; (2) INCINERATE
AT AN AUTHORIZED FACILITY.

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

SARA Title III Information:SECTION 311 AND 312: IMMEDIATE (ACUTE)
HEALTH HAZARD, DELAYED
(CHRONIC) HEALTH HAZARD. SARA SECTION 302
EXTREMELY HAZARDOUS MAT-NO REGULATED INGREDIENTS SARA SECTION 313
TOXIC CHEMICALS MANGANESE OX IDE
Federal Regulatory Information:UNITED STATES 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 66.4% TERPHENYL,
HYDROGENATED 61788-32-7 22.7% 1,3 ? DIPHENYLQUANIDINE 10
2-06 7%
TERPHENYL 26140-60-3 4.8% ETHOXYLATED NONYLPHENOL PHOSPHATE
51811-79-1 2.9% SODIUM HYDROXIDE 1310-73-2 1.4% CALIFORNIA ?
CALIFORNIA PROPOSITION 65-NO REGULATED INGREDIENTS

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

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