

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

Product ID:AC-236 ACCELERATOR

MSDS Date:04/27/1999

FSC:8030

NIIN:00-723-2746

Status Code:A

Kit Part:Y

MSDS Number: CLGPC

=== 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:RYAN MI

CKELSON

CAGE:1DWR5

=== Contractor Identification ===

Company Name:ADVANCED CHEMISTRY & TECHNOLOGY

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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

Ing

red 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.
= Wt
:0.

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

Health Hazards Acute and Chronic: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 IRRI TATION. MAY CAUSE DIGESTIVE TRACT
IRRITATION. INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET
STOMACH, DIARRHEA. MAY CAUSE SKIN IRRITATION.
Effects of Overexposure:EYE C

CONTACT: MAY CAUSE MODERATE 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.

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: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. INGESTION: SEEK MEDICAL ATTENTION. IMMEDIATELY INDUCE VOMITING, DIRECT TREATMENT AT PREVENTING ABSORPTION, ADMINISTERING TO SYMPTOMS, SUPPORTIVE THERAPY.

===== 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 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 =====

Spill Release Procedures:EV

ACUATION: 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 A BARRIER. STOP MATERIAL FROM CONTAMINATING SOIL, OR FROM ENTERING SEWERS OR BODIES OF WATER. CLEANUP/PERSONAL PROTECTION EQUIPMENT: APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOUL

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

Handli

ng 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. FOLLO W GOOD MANUFACTURING AND HANDLING PRACTICES. PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING, ESPEC

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

Respiratory Protection:AVOID BREATHING VAPOR AND/OR MISTS. WEAR NIOSH/MSHA-AP

PROVED 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 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 (TLV'S OR PEL'S).

Protective Gloves:IM

PERVIOUS GLOVES, CONSULT GLOVE MANUFACTURER

Eye Protection:WEAR CHEMICAL SPLCAH GOGGLES.

Supplemental Safety and Health

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

Vapor Pres:0.1MM HG

Vapor Density:>1

Spec Gravity:2.1

Evaporation Rate & Reference: