

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

Product ID:AC-236 ACCELERATOR

MSDS Date:04/01/1999

FSC:8030

NIIN:00-432-9544

Status Code:A

Kit Part:Y

MSDS Number: CLQVF

=== 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:ERNES

T CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:1DWR5

=== Contractor Identification ===

Company Name:ADVANCED CHEMISTRY & TECHNOLOGY

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

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:POLYOXYETHYLENE NONYL PHENYL

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

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 #:WZ6535000

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.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: MAY CAUSE MODERATE IRRITATION. SKIN CONTACT: MAY CAUSE SLIGHT TO MILD IRRITATION. MAY CAUSE ALLERGIC SKIN REACTIONS AND SENSITIZATION. INHALATION (BREATHING): IRRITATING

TO THE EYES, NOSE 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 UPSET (E .G., DIARRHEA).

Effects of Overexposure: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 CAUS

E 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 EYE WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN CONTACT:

IMMEDIATELY

FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION.INHALATION (BREATHING): REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION (SWALLOWING): SEEK MEDICAL ATTENTION. IMMEDIATELY INDUCE VOMITING, AS DIRECTED B Y 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: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 CLOTHI NG.

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

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

Spill Release Procedures:EVACUATION: ISOLATE HAZARD AREA. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. ELIMINATE ALL SOURCES OF IGNITION. 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. APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOULD BE USED. USE SUPPLIED AIR RESPIRATOR OR SELF-CONTAIN

===== 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. 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 AND/OR MISTS. WEAR NIOSH/MSHA APPROVED EQUIPMENT. DETERMINE THE APPROPRIATE TYPE BY CONSULTING THE RESPIRATOR MANUFACTURER. HIGH AIRBORNE CONCENTRATIONS MAY NECESSITATE THE USE OF SELF CONTAINED BREATHING APPARATUS (SCBA) OR A SUPPLIED AIR RESPIRATOR. Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED WHEN VAPORS, MISTS, OR DUSTS CAN BE RELEASED IN EXCESS OF ESTABLISHED AIRBORNE EXPOSURE LIMITS. Protective Gloves:WEAR PROTECTIVE CLOTHING AND APPROPRIATE IMPERVIOUS GLOVES. Eye Protection:WEAR CHEMICAL SPLASH GOGGLES. AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE. Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE

E 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 MM HG

Vapor Density:>1

Spec Gravity:2.1

Evaporation Rate & Reference: