

RESIN TECHNOLOGY GROUP INC -- ACTIVATOR E -- 1660-00-325-0283

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

Product ID:ACTIVATOR E

MSDS Date:02/23/1996

FSC:1660

NIIN:00-325-0283

Kit Part:Y

MSDS Number: CCMQJ

=== Responsible Party ===

Company Name:RESIN TECHNOLOGY GROUP INC

Address:28 NORFOLK AVE

City:SOUTH EASTON

State:MA

ZIP:02375

Country:US

Info Phone Num:508-230-8070 FAX: 508-230-2318

Emergency Phone Num:

800-424-9300 CHEMTREC

CAGE:0JVBX9

=== Contractor Identification ===

Company Name:MORTON THIOKOL,INC;ARMSTRONG PRODUCTS COMPANY

Address:407-ARGONNE ROAD

Box:647

City:WARSAW

State:IN

ZIP:46580-3811

Country:US

Phone:219-267-3226

CAGE:98911

Company Name:RESIN TECHNOLOGY GROUP INC

Address:28 NORFOLK AVE

Box:City:S EASTON

State:MA

ZIP:02375

Country:US

Phone:508-230-8070

CAGE:0JVBX9

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

Ingred Name:DIETHYLAMINOPROPYLAMINE

CAS:104-78-9

RTE

CS #:TX7350000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CORROSIVE! CONTACT MAY CAUSE SEVERE IRRITATION/BURNS TO SKIN & EYES; INJURY TO CORNEA. INHALATION MAY CAUSE IRRITATION OF UPPER RESPIRATORY SYSTEM. INGESTION MAY CAUSE SEVERE IRRITATION/BURNS TO MOUTH /THROAT/GI TRACT.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:EYES-SEVERE IRRITATION, BURNS, INJURY TO CORNEA. SKIN-BURNS, SEVERE TISSUE DAMAGE. INHALED-IRRITATION OF UPPER RESPIRATORY TRACT. INGESTED-IRRITATION/BURNS TO MOUTH/THROAT/DIGESTIVE TRACT.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYES.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RE SPIRATION AS NEEDED. INGESTED-CONTACT POISON CONTROL CENTER AND OBTAIN IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE 2 CUPS WATER. NO CARBONATED BEVERAGES!

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

Flash Point Method:SCC  
Flash Point:>127F,>53C  
Autoignition Temp:Autoignition Temp Text:419F  
Lower Limits:1.4  
Upper Limits:11.6  
Extinguishing Media:SMALL FIRES: HALON, WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM. LARGE FIRES: WATER SPRAY/FOG, ALCOHOL FOAM.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. WATER MAY CAUSE FROTHING.  
Unusual Fire/Explosion Hazard:MAY LIBERATE IRRITATING VAPO

RS DURING  
COMPUSTION OR DECOMPOSITION.

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

Spill Release Procedures:VENTILATE AREA. EVACUATE IF EXPOSURE EXCEEDS  
TLV. CONTAIN SPILL. IF LARGE AMOUNT SPILLED, USE PUMP OR VACUUM TO  
PICK-UP. OTHERWISE, ABSORB WITH INERT MATERIAL. SCOOP UP & PLACE IN  
A CONTAINER FOR LATE R DISPSOAL. REPORT SPILL IF REQUIRED BYLAW.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====  
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED  
PLACE. DO NOT STORE ABOVE 86F. AVOID CONTACT WITH EYES, SKIN,  
CLOTHES. USE APPROPRIATE VENTILATION/RESPIRATORS.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE  
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH  
ORGANIC VAPOR CARTRIDGE OR  
AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS  
REQUIRED. USE IAW 29 CFR 1910.134.  
Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO  
MAINTAIN EXPOSURE BELOW TLV(S).  
Protective Gloves:IMPERVIOUS-RUBBER.  
Eye Protection:CHEMICAL SPLASH GOGGLES+FACESHIELD.  
Other Protective Equipment:RUBBER APRON. EYE WASH STATION & SAFETY  
SHOWER. DO NOT WEAR CONTACT LENSES.  
Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTH  
ES BEFORE REUSE.  
Supplemental Safety and Health  
KEY1=F6. PART C OF 81 PART KIT. ONLY PNI A, B & C ARE HAZARDOUS-AS BEST  
AS DLA-HMIS CAN FIGURE OUT.

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

HCC:B2  
Boiling Pt.=170.C, 338.F  
B.P. Text:338F,170C  
Vapor Density:4.4  
Spec Gravity:0.826  
Solubility in Water:DISPERSIBLE  
Appearance and Odor:COLORLESS LIQUID; AMINE ODOR.  
Percent Volatiles by Volume:0

===== Stability and Reactivity Data =====

Stabil

ity Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACIDS, WATER, CHEMICALLY ACTIVE METAS; EG  
NICKEL, COBALT, COPPER, IRON.

Stability Condition to Avoid:AVOID CONTACT WITH INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:AMINES, OXIDES OF NITROGEN, SMOKE,  
SOOT, CARBON DIOXIDE, CARBON MONOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL  
, STATE AND  
FEDERAL ENVIRONMENTAL REGULATIONS.

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