

RESIN TECHNOLOGY GROUP INC, ARMSTRONG PRODUCTS DIV -- ACTIVATOR W --  
8040-01-032-9205

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

Product ID:ACTIVATOR W

MSDS Date:01/10/1995

FSC:8040

NIIN:01-032-9205

MSDS Number: CDMXV

=== Responsible Party ===

Company Name:RESIN TECHNOLOGY GROUP INC, ARMSTRONG PRODUCTS DIV

Address:28 NORFOLK AVENUE

City:SOUTH EASTON

State:MA

ZIP:02375

Country:US

Info Phone Num:508-230-80

70

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:0J VX9

=== Contractor Identification ===

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:0J VX9

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

Ingred Name:TRIETHYLENETETRAMINE LD50: (ORAL, RAT) 2500 MG/KG

CAS:112-24-3

RTECS #:YE6650000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:SUPDAT: THIS INFO IS IN REGARD TO PURE FORM OF COMPONENT.

INFO CAN BE SUBJECT TO MISINTERPRETATION; THEREFORE IT (ING 3)  
RTECS #:9999999ZZ

Ingred Name:ING 2: IS SUGGESTED THIS INFO BE INTERPRETED BY PERSONS  
TRAINED IN ITS EVALUATION. TRIETHYLENETETRAMINE: CORR TO (ING 4)  
RTECS #:9999999ZZ

Ingred Name:ING 3: EYES & SKIN, POSS RSLTG IN SEV BURNS. INHAL OF  
VAPS/MISTS CAN RSLT IN IRRIT TO RESP TRACT, DIZZ & COUGH. (ING 5)  
RTECS #:9999999ZZ

Ingred Name:ING 4: CAN BE ABSORBED THRU SKIN. POSS SKIN & RESP  
SENSITIZER. INGEST MAY CAUSE SEV BURN  
S OF MOUTH & THROAT & (ING 6)  
RTECS #:9999999ZZ

Ingred Name:ING 5:IRRIT OF GI TRACT. REPRO EFTS MAY RSLT. EFTS ON  
EMBRYO & FETUS HAVE BEEN REPORTED FROM PRLNGD SKIN EXPOS IN(ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6: PREGNANT GPG. LIVER & KIDNEY DMG & KIDNEY & BRAIN  
CONGESTION ASLO OBSERVED. THIS MATL TESTED POS IN AMES (ING 8)  
RTECS #:9999999ZZ

Ingred Name:ING 7: MUTAGENICITY ASSAY BOTH WITH & WITHOUT ACTIVATION.  
RTECS #:9999999ZZ

Ingred Name:MED CNDTNS: OF OVEREXPOSURE & SHOULD TAKE  
APPROPRIATE  
PRECAUTIONS WHEN HANDLING PRODUCT.  
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:INHALED, REMOVE TO FRESH AIR. ADMIN OXYGEN  
IF DFCLTY BRTHG. GIVE ARTF RESP IF BRTHG HAS STOPPED. (ING 11)  
RTECS #:9999999ZZ

Ingred Name:ING 10: OBTAIN MED ATTN W/OUT DELAY. UNDER NORM CNDTNS, NO  
ADVERSE EFTS EXPECTED. INGEST: IF SWALLOWED, DO NOT (ING 12)  
RTECS #:9999999ZZ

Ingred Name:ING 11:INDUCE VOMIT. SEEK IMMED MED ATTN; CALL POIS CTL  
CTR, EMER ROOM OR MD. RINSE MOUTH W/WATER &

GIVE 2 CUPS (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 12: OF WATER TO DRINK. DO NOT GIVE CARBONATED DRINKS.  
NOTES TO MD: THIS IS CORR MATL THAT CAN CAUSE BURNS OF(ING 14)  
RTECS #:9999999ZZ

Ingred Name:ING 13: MOUTH, PHARYNX, ESOPHAGUS & STOMACH. THERE IS  
DANGER OF HEMORRHAGE & PERFORATION IF LAVAGE IS PERFORMED.  
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: SUCH AS FULLER'S EARTH, CLAY OR OTHER APPROP  
ABSORB. PLACE MATL IN SUITABLE CNTNR FOR FURTHER HDNLG (ING 16)  
RTECS #:9999999ZZ

Ingred Name:ING 15: & DISPOSAL. OBSERVE ALL FEDERAL, STATE & LOCAL  
REPORTING REGS REGARDING MATL RELEASE OR SPILLS.  
RTECS #:9999999ZZ

Ingred Name:VENT: EXHAUST MAY BE REQUIRED TO CONTROL EXPOSURE WHEN  
GENERATING VAPORS OR MISTS.  
RTECS #:9999999ZZ

Ingred Name:EYE PROT: & FULL LENGTH FACESHIELD .  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENTS

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

Reports of Car

cinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: CNTCT CAUSES SEV IRRIT. CAN CAUSE  
INJURY (IE BURNS) TO CORNEA & OTHER TISS. SEVERITY OF RXN DEPENDS  
ON DURATION OF EXPOS & PROMPT ADMIN OF PROPER FIRST AID PROCS.  
SKIN: CORR; CNTCT CAN CAUSE BURN S & SEV TISS DMG. HARMFUL WHEN  
ABSORBEDTHRU SKIN IN SUFFICIENT AMTS. CNTCT CAN CAUSE DEVELOPMENT  
OF (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: HYPERSENS (

ALLERGIC RXN) IN

SUSCEPTIBLE PERS. INHAL: CAN CAUSE IRRIT TO NOSE, THROAT & UPPER  
RESP TRACT. CAN BE IRRIT TO MUC MEMBS, ESP FOLLOWING PRLNGD EXPOS  
TO MISTS/VAPS. INHAL CAN CAUSE DIZZ, HDCH & INCOORD. CAN CAUSE  
WHEEZ, COUGH, SHORTNESS OF BRTH & FEELING OF TIGHTNESS IN CHEST.  
INGEST: CORR; (SUPDAT)

Medical Cond Aggravated by Exposure:SOME OF COMPONENTS OF PROD MAY  
AGGRAVATE EXISTING CNDTNS OF SKIN, RESP SYS, REPRO SYS & IMMUNE SYS  
&/OR SPECIFIC ALLERGIES. CONSEQUENTLY  
, CERTAIN PERS MAY BE MORE  
SUSCEPTIBLE TO POSS EFTS (ING 9)

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

First Aid:EYE: FLUSH W/STEADY STREAM OF WATER FOR AT LST 15 MIN. OBTAIN  
PROMPT MED ATTN. SKIN: IMMED WASH W/SOAP & PLENTY OF WATER FOR AT  
LST 15 MIN. CLEANSE SKIN THOROUGHLY INCL HAIR & UNDER FINGERNAILS.  
FOR L G EXPOS USE EMER SHOWER. REMOVE CONTAMDCLTHG & SHOES. LAUNDER  
CLOTHES SEPARATELY BEFORE REUSING. DESTROY OR THOROUGHLY CLEAN  
SHOES BEF  
ORE REUSING. OBTAIN IMMED MED ATTN. INHAL: IF VAP IS (ING  
10)

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

Flash Point Method:COC

Flash Point:>500F,>260C

Extinguishing Media:SM FIRES: USE WATER SPRAY, FOAM, HALON, DRY  
CHEMICAL OR CARBON DIOXIDE. LG FIRES: USE WATER SPRAY, FOG OR  
ALCOHOL FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE  
EQUIPMENT .

Unusual Fire/Explosion Hazard:MAY LIBERATE IRRITATING VAPORS DURING  
COMBUSTION  
OR DECOMPOSITION.

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

Spill Release Procedures:VENT AREA IF NEC. EVACUATE IF AIRBORNE LEVELS  
COULD EXCEED ESTABLISHED LIMITS. CONTAIN SPILL USING DIKE/BARRIER.  
IF SUBSTANTIAL QTY IS SPILLED & CAN BE PUMPED, RECOVER W/PUMPING  
EQUIP OR VACUUM TRUCK. OTHERWISE, COVER SPILL W/INERT ABSORBENT  
(ING 15)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. DO NOT STORE ABOVE 100F. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

Other Precautions:HEATING CAN GENERATE VAPORS; USE APPROPRIATE VENTILATION OR NIOSH APPROVED RESPIRATORS AS NECESSARY.

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

Respiratory Protection:AVOID BREATHING VAPOR OR MIST. WHERE EXPOSURE EXCEEDS ESTABLISHED AIRBORNE LIMITS, USE A NIOSH APPROVED RESPIRATOR OR A

SELF-CONTAINED BREATHING APPARATUS OR A SUPPLIED AIR RESPIRATOR AS NECESSARY TO CONTROL EXPOSURE.

Ventilation:MAINTAIN AIRBORNE CONCS BELOW ESTABLISHED EXPOS LIMS. GEN VENT MAY BE ACCEPTABLE, HOWEVER, ENCLOSURE & LOCAL (ING 17)

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS (ING 18)

Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER . WEAR PROT CLOTHING (RUBBER BOOTS & APRON) IN ORDER TO PREVENT SKIN CONTACT.

Work Hygienic Practic

es:CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health

EFTS OF OVEREXP: SWALLOWING CAUSES SEV BURNS TO MOUTH, THROAT & DIGEST TRACT. CAN CAUSE NAUS, VOMIT & GI UPSET. OTHER:DEPENDING ON ROUTE, FREQUENCY & DURATION OF EXPOS, FOLLOWING ORGANS &/OR SYS MAY B E ADVERSE EFFECTED: EYE, SKIN, RESP SYS, REPRO SYS & IMMUNE SYS (ALLERGIC RXNS). TOXICOLOGICAL INFO: (ING 2)

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

Vapor Pres:1

Spec Gravity:0.97

Eva

poration Rate & Reference: