

ROHM AND HAAS CO -- AUTOMATE RED B -- 6820-00-926-8887

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

Product ID:AUTOMATE RED B

MSDS Date:04/17/2000

FSC:6820

NIIN:00-926-8887

Status Code:A

MSDS Number: CKMYW

=== Responsible Party ===

Company Name:ROHM AND HAAS CO

Address:100 INDEPENDENCE MALL WEST

City:PHILADELPHIA

State:PA

ZIP:19106-2399

Country:US

Info Phone Num:215-592-2521

Emergency Phone Num:(800)424-93

00/215-592-3000

Resp. Party Other MSDS Num.:KEY: 002232-1

Chemtec Ind/Phone:(800)424-9300

CAGE:77902

=== Contractor Identification ===

Company Name:MORTON INTERNATIONAL

Address:100 NORTH RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-1598

Country:US

Phone:312-807-2000

CAGE:0TJX3

Company Name:MORTON INTERNATIONAL, INC.

Address:100 NORTH RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-1598

Country:US

Phone:312-807-2000;714-730-4200

CAGE:03UL8

Company Name:ROHM AND HAAS CO

Address:100 IND

EPENDENCE MALL WEST  
Box:City:PHILADELPHIA  
State:PA  
ZIP:19106-2399  
Country:US  
Phone:215-592-2521/215-592-3000  
CAGE:77902  
Company Name:TELECHEM INTERNATIONAL, INC  
Address:524 E WEDDELL DRIVE SUITE 3  
Box:City:SUNNYVALE  
State:CA  
ZIP:94089-2115  
Country:US  
Phone:916-941-3688  
Contract Num:SP0450-00-M-SB94  
CAGE:1KH20

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

Ingred Name:C.I. SOLVENT RED 164 OR 2-NAPHTALENOL {(PHENYLAZO)PHENYL}  
AZO ALKYL DERIVATIVES, ACCESSION NO: 35371  
C  
AS:71819-51-7  
= Wt:65.

Ingred Name:XYLENE  
CAS:1330-20-7  
RTECS #:ZE2100000  
= Wt:28.  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:651 MG/M3;150 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE  
CAS:100-41-4  
RTECS #:DA0700000  
= Wt:7.  
OSHA PEL:435 MG/M3;100 PPM  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:543 MG/M3;125 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:NON-HAZARDOUS AND OTHER INGREDIENTS

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

LD50

LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Health Hazards Acute and Chronic:FLAMMABLE LIQUID AND VAPOR. CAUSES SEVERE EYE IRRITATION. CAUSES SEVERE DIGESTIVE TRACT IRRITATION. INHALATION ANY CAUSE DIZZINESS, HEADACHES AND INCOORDINATION. INGESTION CAN CAUSE DIZZINESS, FAINTNESS, HEADACHE AND INCOORDINATION. INGESTION MAY CAUSE INFLAMMATION OF THE LUNGS. MAY CAUSE MODERATE SKIN IRRITATION. MAY CAUSE RESPIRATORY

TRACT

IRRITATION. INGESTION. MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARRHEA. INHALATION MAY CAUSE NAUSEA, VOMITING, UPSET STOMACH. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

Explanation of Carcinogenicity:ETHYL BENZENE IS LISTED BY IARC AS A 2B CARCINOGEN & ACGIH AS AN A3. C.I. SOLVENT RED 164 IS NOT LISTED BY ANY AGENCY AS A CARCINOGEN. XYLENE IS LISTED BY ACGIH AS AN A4 CARCINOGEN.

Effects of Overexposure:EYES: CAUSES SEVERE IRRITATION . CAN CAUSE

BURNING SENSATION, TEARING, AND REDNESS. SKIN: MAY CAUSE MODERATE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND LEAD TO IRRITATION (I.E. DERMATITIS). MAY BE ABSORBED THROUGH THE SKIN.

CAN CAUSE REDNESS, ITCHING, AND BURNING SENSATION. INHALATION: IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT. CAN CAUSE DIZZINESS, HEADACHES, AND INCOORDINATION, NAUSEA, VOMITING, AND STOMACH UPSET CAN OCCUR. CAN CAUSE WHEEZING, COUGHING, SHORTNESS OF

SS OF

BREATH, AND TIGHTNESS IN THE CHEST. CAN CAUSE ANESTHETIC AND/OR NARCOTIC EFFECTS.

Medical Cond Aggravated by Exposure:LIVER, KIDNEYS, BLOOD AND/OR BLOOD-FORMING ORGANS. LUNGS AND RESPIRATORY SYSTEM. SKIN, REPRODUCTIVE SYSTEM AND/OR REPRODUCTIVE EFFECTS.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH WATER.

REMOVE CONTAMINATED CLOTHING & SHOES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING & SHOES BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION. RINSE MOUTH THOROUGHLY WITH WATER & GIVE A CUPFUL OF WATER TO DRINK, IF VOMITING OCCURS, REPEAT RINSING & GIVE ANOTHER CUPFUL OF WATER. NEVER GIVE ANYTHING BY MOUTH TO

AN UNCONSCIOUS PERSON.

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

Flash Point Method:SCC

Flash Point:=28.3C, 83.F

Lower Limits:1

Upper Limits:7

Extinguishing Media:WATER MAY BE INEFFECTIVE. SMALL FIRES: DRY CHEMICAL, CARBON DIOXIDE, 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 CLOTHING.

Unusual Fire/Explosion Hazard:HIGH TEMPERATURES CAN CAUSE SEALED CONTAINERS TO RUPTURE DUE TO A BUILD UP OF INTERNAL PRESSURE. COOL WITH WATER. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION & FLASH BACK. DURING A FIRE, IRRITATING & HIGHLY TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures:ISOLATE HAZARD AREA. DENY ENTRY. ELIMINATE ALL SOURCES OF IGNITION. SAFELY STOP DISCHARGE. CONTAIN MATERIAL, AS NEEDED, WITH A DIKE OR BARRIER. STOP MATERIAL FROM CONTAMINATING SOIL, FROM ENTERING SEWERS OR BODIES OF WATER. APPROPRIATE SAFETY MEASURES & PROTECTIVE EQUIPMENT SHOULD BE USED. USE SUPPLIED AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT, IGNITION SOURCES & DIRECT SUNLIGHT.KEEP CONTAINERS TIGHTLY CLOSED. WARNING: HOT ORGANIC CHEMICAL VAPORS OR MISTS CAN SUDDENLY & WITHOUT WARNING COMBUST WHEN MIXED WITH AIR. IGNITION CAN OCCUR AT TYPICAL ELEVATED TEMPERATURE PROCESS CONDITIONS

Other Precautions:CONTAINERS SHOULD BE SUPPORTED AND GROUNDED BEFORE OPENING, DISPENSING, MIXING, POURING AND EMPTYING. OPEN WITH NON-SPARKING TOOLS

KING TOOLS. IF CONTAINER IS WARM OPEN BUNG SLOWLY TO  
RELEASE INTERNAL PRESSURE.

===== 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. RESPIRATORY  
PROTECTION PROGR

AMS 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(TLVS OR PELS).

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:AN EYE WASH FACILITY SHOULD BE READILY  
AVAILABLE. WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING, ESPECIALLY  
BEFORE EATING, DRINKIN

G, SMOKING AND USING RESTROOM FACILITIES.

PROFESSIONALLY LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

WASH CONTAMINATED GOGGLES, FACESHIELD AND GLOVES. \*SPECIAL HANDLING:  
THIS PRODUCT MAY CONTAIN TRACE QUANTITIES OF AROMATIC AMINES,  
ORTHO-TOLUIDINE AND ANILINE, AT LEVELS LESS THAN 0.03%. MINIMIZE  
EXPO SURE BY APPLYING PROPER HANDLING TECHNIQUES & USE OF PERSONAL  
PROTECTIVE GEAR.

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

HCC:F3

Boiling Pt:=132.2C, 270.F

Vapor Pres:5.1 MM HG

Spec Gravity:0.99

pH:NA

Evaporation Rate & Reference:9.5 (ETHYL ETHER)

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK RED LIQUID, AROMATIC ODOR.

Percent Volatiles by Volume:65

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, ACIDS, MAY REACT WITH REDUCING AGENTS TO LIBERATE FREE  
AMINE(S).

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF

USE.

AVOID HIGH TEMPERATURES.

Hazardous Decomposition Products:SMOKE, SOOT, AND TOXIC/IRRITATING FUMES (I.E., CARBON DIOXIDE, CARBON MONOXIDE, ETC.). OXIDES OF NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:C.I. SOLVENT RED 164: THE DYE EXHIBITED MUTAGENIC ACTIVITY DURING A STUDY ON CYTOTOXICITY. NO-TOXIC-EFFECT-LEVEL: 40 MG/KG/DAY. A STUDY INDICATED THAT SENSITIZATION WAS NOT INDUCED. XYLENE: THIS CHEMICAL CAUSED FETAL INJURY DURING A STUDY ON LAB ANIMALS. ADVERSE EFFECTS NOTED, WITH ETHYL ALCOHOL, TO LIVER & KIDNEY. ORAL LD50 (RAT): 3523 MG/KG; DERMAL LD50 (RABBIT): >5 ML/KG. INHALATION LC50 (RAT): 5000 PPM/4 HRS. ETHYL BENZENE: DURING A 2 YEAR STUDY THERE WAS CLEAR EVIDENCE OF CARCINOGENIC ACTIVITY. EXPOSURE TO LAB ANIMALS HAS CAUSED SOME FETOTOXIC EFFECTS AT DOSES THAT WOULD CAUSE MATERNAL TOXICITY. ORAL LD50 (RAT): 3500 MG/KG.

===== Ecological Information =====

Ecological:NO DATA AVAILABLE ON THIS PRODUCT.

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

Waste Disposal Methods:WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL AS SUPPLIED, IT MEETS RCRA'S CHARACTERISTIC DEFINITION OF IGNITABILITY. FEDERAL REGULATIONS MAY APPLY TO EMPTY CONTAINER. STATE AND/OR LOCAL REGULATIONS MAY BE DIFFERENT. OF THE METHODS OF DISPOSAL CURRENTLY AVAILABLE, IT IS RECOMMENDED THAT AN ALTERNATIVE BE SELECTED.

===== MSDS Transport Information =====

Transport Information:SHIPPING NAME: XYLENES SOLUTION DOT, (IATA, IMO). DOT LABEL:FLAMMABLE LIQUID. UN/NA NUMBER: UN 1307. DOT LABEL NO.: WD3. HAZARD CLASS: 3 (IATA/49 CFR), 3.3 (IMO). PACKING GROUP III. RQ: >357 LBS.

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

SARA Title III Information:SARA TITLE III SECTION 311/312: HAZARD CAT

AGORIES: FIRE-YES; SUDDEN RELEASE-NO; REACTIVITY-NO; IMMEDIATE (ACUTE)-YES; DELAYED (CHRONIC)-YES. SARA SECTION 302 EXTREMELY HAZARDOUS MATERIAL: NO REGULATED INGREDIENTS. SARA SECTION 313 TOXIC CHEMICALS: XYLENE, ETHYL BENZENE.

Federal Regulatory Information:TSCA SECTION 8(B) DATA REPORTING RULE. OZONE DEPLETING CHEMICALS: NO REGULATED INGREDIENTS.

State Regulatory Information:PENNSYLVANIA & NEW JERSEY R-T-K: C.I.

SOLVENT RED 164, 65%; XYLENE, CAS# 1330-20-7, 28%, ENVIRONME  
NTAL

HAZARD; ETHYL BENZENE, CAS# 100-41-4, 7%, ENVIRONMENTAL HAZARD;  
NON-HAZARDOUS TRADE SECRET INGRED IENT(S), CAS# PROPRIETARY,  
%=BALANCE. CALIFORNIA PROPOSITION 65: NO REGULATED INGREDIENMTS.

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

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