

MSDS Safety Information

FSC: 6820  
NIIN: 00-001-4192  
MSDS Date: 05/05/1998  
MSDS Num: CKFFH  
Product ID: AUTOMATE RED BSF,741212007  
MFN: 02  
Responsible Party  
Cage: JO762  
Name: MORTON SPECIALTY CHEMICAL PRODUCTS  
Address: 100 N. RIVERSIDE PLAZA  
City: CHICAGO IL 60606-1598  
Info Phone Number: 312-807-3273  
Emergen  
cy Phone Number: 312-807-3422  
Resp. Party Other MSDS No.: 2415-1-6

Item Description Information

Item Manager: S9G  
Item Name: DYE,LEAK DETECTION  
Specification Number: MIL-D-81298  
Type/Grade/Class: TYPE I  
Unit of Issue: GL  
UI Container Qty: 0  
Type of Container: METAL CAN IP3

Ingredients

Name: \*\*\* PROPRIETARY \*\*\*

Health Hazards Data

LD50 LC50 Mixture: LD50 (ORAL, RAT) 4300 MG/KG (XYLENE)  
Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: NO  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: ACUTE EFFECTS: CAUSES SEVERE EYE IRRITATION.  
PROLONGED/REPEATED SKIN CONTACT MAY DRY THE SKIN AND LEAD TO IR

IRITATION & DERMATITIS. CAN BE ABSORBED THROUGH THE SKIN. INHALATION CAN IRRITATE THE EYES, NOSE, AND RESPIRATORY TRACT. INGESTED CAN BE SEVERELY IRRITATING TO MOUTH, THROAT, AND STOMACH. POSSIBLE ASPIRATION HAZARD. MAY CAUSE INFLAMMATION OF THE LUNGS. TARGET ORGANS/CHRONIC EFFECTS : LIVER, KIDNEYS. NERVOUS SYSTEM. BLOOD AND/OR BLOOD FORMING ORGANS. LUNGS AND RESPIRATORY SYSTEM. EYES. SKIN.

Explanation Of Carcinogenicity: NONE OF THE INGREDIENTS ARE LISTED BY NTP, IARC

OR OSHA AS A CARCINOGEN OR POTENTIAL CARCINOGEN (DLA-).

Signs And Symptoms Of Overexposure: SEVERE IRRITATION, BURNING SENSATION, TEARING AND REDNESS, DERMATITIS, ITCHING, HEADACHE, INCOORDINATION, NAUSEA, VOMITING, STOMACH UPSET, WHEEZING, COUGHING, SHORTNESS OF BREATH, TIGHTNESS IN THE CHEST, ANESTHETIC AND/OR NARCOTIC EFFECTS, PAIN, DIARRHEA, DIZZINESS, FAINTNESS.

Medical Condition Aggravated By Exposure: LIVER. KIDNEYS. BLOOD AND/OR BLOOD-FORMING ORGANS. LUNGS AND RESPIRATORY SYSTEM. SKIN.

First Aid: EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: 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, AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Handling and Disposal

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Spill Release Procedures: STOP DISCHARGE, IF SAFE TO DO SO. USE PROPER PROTECTIVE EQUIPMENT. USE NON-SPARKING TOOLS AND/OR EXPLOSION-PROOF EQUIPMENT. STOP IGNITION SOURCES. COVER SPILLS WITH ABSORBENT CLAY OR SAWDUST AND PLACE IN CLOSED

CHEMICAL WASTE CONTAINERS. DISPOSE OF ACCORDING TO APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: FEDERAL REGULATIONS MAY APPLY TO EMPTY CONTAINER. STATE AND/OR LOCAL REGULATIONS MAY BE DIFFERENT. IT IS RECOMMENDED THAT AN ALTERNATIVE BE SELECTED ACCORDING TO THE FOLLOWING ORDER OF PREFERENCE, BASED UPON ENVIRONMENTAL ACCEPTABILITY: RECYCLE OR REWORK, INCINERATE AT AN AUTHORIZED FACILITY, OR TREAT AT AN AC

CEPTABLE WASTE TREATMENT FACILITY.

Handling And Storage Precautions: STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT, IGNITION SOURCES, AND DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED. CONTAINERS SHOULD BE SUPPORTED AND GROUNDED BEFORE OPENING, DISPENSING, MIXING, POURING, AND EMPTYING. OPEN WITH NON-SPARKING TOOLS. IF CONTAINER IS WARM, OPEN BUNG SLOWLY

Other Precautions: HOT ORGANIC CHEMICAL VAPORS OR MISTS CAN SUDDENTLY AND WITHOUT WARNING COMBUST WHEN MIXED WITH AIR. I

GNITION CAN OCCUR AT TYPICAL

ELEVATED TEMPERATURE PROCESS CONDITIONS. ANY USE IN SUCH PROCESSES S HOULD BE EVALUATED THOROUGHLY TO ASSURE SAFE OPERATING CONDITIONS.

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#### Fire and Explosion Hazard Information

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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, WAT

ER 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 CLOTHIN G.

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 &am

p; FLASH BACK. DURING A FIRE, IRRITATING

&amp; HIGHLY TOXIC GASES MAY BE GENERATED DURING COMBUSTION OR DECOMPOSITION.

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#### Control Measures

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Respiratory Protection: AVOID BREATING 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-CONTA

INED BREATHING APPARATUS (SCBA) OR A SUPPLIED AIR

RESPIRATOR. RESPIRATORY PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH 29CFR 19190.134.

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: WEAR APPROPRIATE IMPERVIOUS GLOVES.

Eye Protection: CHEMICAL SPLASH GOGGLES.

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

Work Hygienic

Practices: WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, AND USING RESTROOM FACILITIES. WASH CONTAMINATED GOGGLES, FACESHIELD, AND GLOVES.

Supplemental Safety and Health: BECAUSE A VARIETY OF PROTECTIVE GLOVES EXIST, CONSULT GLOVE MANUFACTURER TO DETERMINE THE PROPER TYPE FOR A SPECIFIC OPERATIONS. PROFESSIONALLY LAUNDRER CONTAMNATED CLOTHING BEFORE RE-USE.

Physical/Chemical Properties

HCC: F3

Boiling Point: =137.2C, 279.F

Vapor Pres: 5.1 MMHG

Spec Gravity: 0.99

Evaporation Rate & Reference: 9.5 (ETHYL ETHER)

Solubility in Water: INSOLUBLE

Appearance and Odor: RED, DARK LIQUID - AROMATIC ODOR

Percent Volatiles by Volume: 35

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES.

Material

s To Avoid: OXIDIZERS. RESDUCERS. ACIDS. MAY REACT WITH REDUCING AGENTS TO LIBERATE FREE AMINE(S).

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

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information:

C.I. SOLVENT RED 164: THE DATA FROM SEVERAL TESTS

INDICATE THAT SENSITIZATION WAS NOT INDUCED. THE OCTANOL/WATER PARTITION COEFFICIENT WAS DETERMINED TO BE  $1.53 \times 10^5$  AND THE STANDARD DEVIATION WAS LESS THAN 0.218 LOG UNITS. XYLENE: ORAL LD50 (RAT): 4300 MG/KG. INHALATION LC50 (RAT): 5000 PPM/4HRS. ETHYL BENZENE: ORAL LD50 (RAT): 3500 MG/KG. DERMAL LD50 (RABBIT): 17800 MG/KG. SOME TESTS SHOWED " SOME EVIDENCE OF CARCINOGENIC ACTIVITY".

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Ecological Information

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Ecological: NO DATA ARE AVAILABLE ON THIS PRODUCT.

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MSDS Transport Information

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Transport Information: SHIPPING NAME: XYLENES SOLUTION (WEIGHT <357 LBS).

DOT LABEL: FLAMMABLE LIQUID.UN/NA ID NUMBER: UN1307. HAZARD CLASS: 3 (IATA/49 CFR) 3.3 (IMO). PACKING GROUP III. WHIMIS LABEL: BD2. ALL T

HE INFORMATION IN

THIS SECTION IS FOR NON-BULK PACKAGINGS (119 GALLONS OR LESS).

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Regulatory Information

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Sara Title III Information: SARA TITLE III SECTION 311/312 HAZARD CATAGORIES:

Y-FIRE HAZARD; N-SUDDEN RELEASE OF PRESSURE; N-REACTIVITY HAZARD; Y-IMMEDIATE (ACUTE) HEALTH AHZARD; Y-DELAYED (CHRONIC) HEALTH HAZARD. SARA SECTION 3 02 EXTREMELY HAZARDOUS MATERIAL: NO REGULATED

INGREDIENTS. SARA SECTION 313

TOXIC CHEMICALS: XYLENE, ETHYL BENZENE.

Federal Regulatory Information: TSCA SECTION 8(D) DATA REPORTING RULE: ETHYL

BENZENE. US TSCA: CHEMICAL COMPONENTS IN THIS PRODUCT ARE ON THE SECTION 8(B) CHEMICAL SUBSTANCE INVENTORY LIST (40 CFR 710).

State Regulatory Information: STATE RIGHT-TO-KNOW: PENNSYLVANIA/NEW JERSEY: CI

SOLVENT RED, XYLENE, CAS# 1330-20-7 (ENVIRONMENTAL HAZARD), ETHYL BENZENE, CAS# 100-41-4, (ENVIRONMENTAL HAZARD). CALIFORNIA PROPOSITION

65: NO REGULA

TED INGREDIENTS.

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Other Information

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Other Information: CONEG: NO DATA AVAILABLE. CANADA: THIS IS A "CONTROLLED

PRODUCT" UNDER THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

(WHIMIS). CLASS B DIVISION 2, CLASS D DIVISION 2 SUB-DIVISION B. CE

PA-NPRI-XYLENE, ETHYL BENZENE, CANADIAN CHEMICAL INVENTORY. DOMESTIC SUBSTANCE LISTED (DSL): LISTED. AUSTRA

LIAN INVENTORY: LISTED. EUOPEAN UNION:

EINECS (EUROPEAN INVENTORY OF CHEMICAL SUBSTANCES): LI STED. KOREAN

INVENTORY: LISTED. JAPANESE MITI INVENTORY: LISTED. PHILLIPINES INVENTORY: LISTED.

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Transportation Information

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Responsible Party Cage: JO762

Trans ID NO: 152043

Product ID: AUTOMATE RED BSF,741212007

MSDS Prepared Date: 05/05/1998

Review Date: 03/22/2000

MFN: 2

Net Unit Weig

ht: 8.2 LBS  
Multiple KIT Number: 0  
Unit Of Issue: GL  
Container QTY: 0  
Type Of Container: METAL CAN IP3

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Detail DOT Information

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DOT PSN Code: PWS  
DOT Proper Shipping Name: XYLENES  
Hazard Class: 3  
UN ID Num: UN1307  
DOT Packaging Group: III  
Label: FLAMMABLE LIQUID  
Special Provision: B1,T1  
Packaging Exception: 150  
Non Bulk Pack: 203  
Bulk Pack: 242  
Max Qty Pass: 60 L  
Max Qty Cargo: 220 L  
Ve  
ssel Stow Req: A

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Detail IMO Information

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IMO PSN Code: PPF  
IMO Proper Shipping Name: XYLENES  
IMDG Page Number: 3394  
UN Number: 1307  
UN Hazard Class: 3.3  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: 3-07  
MED First Aid Guide NUM: 310

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Detail IATA Information

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IA  
TA PSN Code: ZPL  
IATA UN ID Num: 1307  
IATA Proper Shipping Name: XYLENES  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
UN Packing Group: III  
Packing Note Passenger: 309  
Max Quant Pass: 60L  
Max Quant Cargo: 220L  
Packaging Note Cargo: 310

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Detail AFI Information

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AFI PSN Code: ZPL  
AFI Proper Shipping Name: XYLENES  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1307  
AFI Packing Group: III  
Special Pr

visions: P5  
Back Pack Reference: A7.3

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HAZCOM Label

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Product ID: AUTOMATE RED BSF,741212007  
Cage: JO762  
Assigned IND: Y  
Company Name: MORTON SPECIALTY CHEMICAL PRODUCTS  
Street: 100 N. RIVERSIDE PLAZA  
City: CHICAGO IL  
Zipcode: 60606-1598  
Health Emergency Phone: 312-807-3422  
Label Required IND: Y  
Date Of Label Review: 03/22/2000  
Status Code: A  
Year Procured: 2000  
Origination Code: F  
Chro  
nic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Slight  
Fire Hazard: Severe  
Reactivity Hazard: None

Hazard And Precautions: ACUTE EFFECTS: CAUSES SEVERE EYE IRRITATION.  
PROLONGED/REPEATED SKIN CONTACT MAY DRY THE SKIN AND LEAD TO IRRITATION &  
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NERVOUS SYSTEM. BLOOD AND/OR BLOOD FORMING ORGANS. LUNGS AND RESPIRATORY  
SYSTEM. EYES. SKIN.

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