

3M GENERAL OFFICES -- SCOTCH-WELD (TM) EC-2333 PRIMER, 62-2333-7501-3 -- 8040-00-463-7049

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Product Identification
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Product ID:SCOTCH-WELD (TM) EC-2333 PRIMER, 62-2333-7501-3

MSDS Date:11/25/1997

FSC:8040

NIIN:00-463-7049

MSDS Number: CJHST

=== Responsible Party ===

Company Name:3M GENERAL OFFICES

Address:3M CENTER

City:ST PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:651-737-65

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Emergency Phone Num:1-800-364-3577

Resp. Party Other MSDS Num.:10-8109-0

CAGE:76381

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

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Composition/Information on Ingredients
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Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

Minumum % Wt:80.

Maxumum % Wt:90.

OSHA PEL:see Table Z-2

ACGIH TLV:188 MG/

M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SILANE, 3-(2,3-EPOXYPROPOXY)PROPYLTRIMETHOXY-;
(ORGANOSILANE)
CAS:2530-83-8
RTECS #:VV4025000
Minumum % Wt:1.
Maxumum % Wt:10.

Ingred Name:C.I. SOLVENT YELLOW 3
CAS:97-56-3
RTECS #:XU8800000
Minumum % Wt:1
Maxumum % Wt:1.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and

Chronic:EYE: MODERATE EYE IRRITATION:

SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND
HAZY VISION. SKIN: MILD SKIN IRRITATION (AFTER PROLONGED OR
REPEATED CONTACT): SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, &
ITCHING. INHALATION: CNS DEPRESSION: SIGNS/SYMPTOMS CAN INCLUDE
HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION
TIME, SLURRED SPEECH, GIDDINESS AND UNCONSCIOUSNE SS. IRRITATION
(UPPER RESPIRATORY): SIGNS/SYMPTOMS CAN INCLU

DE SORENESS OF THE

NOSE AND THROAT, COUGHING AND SNEEZING. INGESTION: MAY CAUSE
IRRITATION OF GI TISSUES: SIGNS/SYMPTOMS CAN INCLUDE PAIN,
VOMITING, ABDOMINAL (EFTS OF OVEREXP)

Explanation of Carcinogenicity:C.I. SOLVENT YELLOW 3: IARC MONOGRAPHS,
SUPPLEMENT, VOLUME 7, PAGE 56, 1987: GROUP 2B.

Effects of Overexposure:HLTH HAZ: TENDERNESS, NAUS, BLOOD IN VOMITUS, &
BLOOD IN FECES. CNS DEPRESS: SIGNS/SYMPMS CAN INCL HDCH, DIZZ, DROW,
MUSC WEAK, INCOORDINATION, SLOWED REACT

ION TIME, FATIGUE, BLURRED

VISION, SLURRED SP EECH, GIDDINESS, TREMORS, CONVULSIONS & ASPIR
PNEUMONITIS: SIGNS/SYMPMS CAN INCL COUGHING, DIFFICULTY BREATHING,
WHEEZING, COUGHING UP BLOOD & PNEUM, WHICH CAN BE FATAL.

REPRO/DEVELOPMENTAL TOXINS: WAR NING: CONTAINS CHEM WHICH CAN CAUSE
BIRTH DEFECTS. (108-88-3). TOLUENE APPREARS ON NAVY OCCUP CHEM
REPRO HAZ LIST. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS
CONCERNING LATEST HAZ LIST INFO & SA FE HNDLG & EXPOS INFO .

(SUPDAT)

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

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTE NTION. INHALATION: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION. INGESTION: CALL A PHYSICIAN

IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:=4.4C, 40.F

Lower Limits:1.20% BY VOL

Upper Limits:7.00% BY VOL

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED, POSITIVE PRE

SSURE OR PRESSURE DEMAND BREATHING

APPARATUS, BUNKER COAT AN D PANTS, BANDS AROUND ARMS, WAIST AND LEGS, FACE MASK, AND POSITIVE COVERING FOR EXPOSURE AREAS OF THE HEAD.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS EXPOSED TO HEAT FROM FIRE MAY BUILD PRESSURE AND EXPLODE. VAPORS MAY TRAVEL LONG DISTANCES ALONG THE GROUND OR FLOOR TO AN IGNITION SOURCE AND FLASH BACK. NFPA HAZARD CODES: HEALTH: 2; FIRE: 3; REACTIVITY: 0; UNUSUAL REACTION HAZARD: NONE.

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

Spill Release Procedures:REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. VENTILATE AREA. EXTINGUISH ALL IGNIT ION SOURCES. COVER WITH ABSORBENT MATERIAL. COLLECT USING NON-SPARKING TOOLS. PLACE IN A U S DOT-APPROVED CONTAINER.

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

Handling

and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE.

KEEP OUT OF THE REACH OF CHILDREN. DO NOT INGEST.

Other Precautions:AVOID SKIN CONTACT. FIRE AND EXPLOSION AVOIDANCE:

KEEP CONTAINER TIGHTLY CLOSED. FLAMMABLE LIQUID & VAPOR. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, & OTHER IGNITION SOURCES. GROUND CONTAINERS SECURELY WHEN TRANSFERRING CONTENTS. WEAR LOW STATIC/PROPERLY GROUNDED SHOES. AVOID STATIC DISCHARGE.

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n =====
Exposure Controls/Personal Protection

Respiratory Protection:AVOID BREATHING OF VAPORS, MISTS OR SPRAY.

SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF-MASK ORGANIC VAPOR RESPIRATOR, HALF-MASK ORGANIC VAPOR RESPIRATOR WITH DUST/MIST PREFILTER.

Ventilation:USE W/FUNCTIONING SPRAY BOOTH/LOCAL EXHAUST. USE IN A WELL VENT AREA. PROVIDE SUFFICIENT VENT TO MAINTAIN EMISSIONS BELOW RECOMMENDED EXPOSURE

LIMITS. (SUPDAT)

Protective Gloves:NITRILE RUB, POLYETHYLENE/ETHYLENE VINYL ALCOHOL, POLYVINYL CHLORIDE, (SUPDAT)

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGLES . AVOID EYE CONTACT W/VAPOR, (SUPDAT)

Other Protective Equipment:ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER .

Supplemental Safety and Health

VENT: IF EXHAUST VENT IS NOT ADEQUATE, USE APPROPRIATE RESP PROT. PROT

GLOVES: POLYTETRAFLUOROETHYLENE (TEFLON), FLUORELASTOMER (VITON). EYE PROT: SPRAY, OR MIST.

WEAR VENTED GOGGLES. WEAR SAFETY GLASSES

W/SIDE SHIELDS. EFFECTS OF OVEREXPOSURE: SKIN NOTATION: TOLUENE INDICATED POTENTIAL CONTRIBUTION (OTHER INFO)

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Physical/Chemical Properties =====

Boiling Pt.=111.1C, 232.F

B.P. Text:BASED ON TOLUENE

Vapor Pres:25.1900 MMHG @ 68F

Vapor Density:3.14 AIR=1

Spec Gravity:0.880 WATER = 1

Viscosity:3.0 - 7.0 CENTIPOISE

Evaporation Rate & Reference:4.50 ETHER =1

Solubility in Water:NIL

Appearance and Odor:LIQUID, TRANSLUCENT

NT, TOLUENE ODOR.
Percent Volatiles by Volume:88.00% (WT)

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

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE,
ALDEHYDES, KETONES, HYDROCARBONS.
Conditions to Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT
OCCUR.

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

Toxicological Information: REPRODUCTIVE/DEVELOPMENTAL TOXINS: WARNING:
CONTAINS A CHEMICAL WHICH CAN CAUSE BIRTH DEFECTS. (108-88-3).

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

Ecological: ENVIRONMENTAL DATA: NOT DETERMINED.

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

Waste Disposal Methods: INCINERATE IN A PERMITTED HAZARDOUS WASTE
INCINERATOR IN THE PRESENCE OF A COMBUSTIBLE MATERIAL. DISPOSE OF
WASTE PRODUCT IN A FACILITY PERMITTED BY FEDERAL, STATE, OR LOCAL
REGULATIONS
TO ACCEPT CHEMICAL WASTE.

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

SARA Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC
CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF
SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY
RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372: TOLUENE, C.I.
SOLVENT YELLOW 3.

Federal Regulatory Information: VOLATILE ORGANIC COMPOUNDS: 857
GMS/LITER SOUTH COAST AIR QUALITY MANAGEMENT DIST METHOD RULE
443.1, CALCULATED. VOC LESS H₂O & EXEMPT SOLVENTS: 857 GMS/LITER
SOUTH COAST AIR QUALITY MGMT DIST MET HOD RULE 443.1, CALCULATED.
SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR
AUTHORITIES BEFORE DISPOSAL. US EPA HAZARDOUS WASTE NUMBER = D001
(IGNITABLE). EPCRA HAZARD CLASS: FIRE HAZARD: YES; PRESSURE:
NO; REACTIVITY: NO; ACUTE: YES; CHRONIC: YES.

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

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