



DO THE JOB RIGHT.

EW# 10189ZD

Material Safety Data Sheet

Manufactured For:
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SECTION I - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
† XYLENE (MIXED ISOMERS) OSHA PEL: 100 PPM, ACGIH TLV: 100 PPM	1330-20-7	25	77	25
MINERAL SPIRITS; STODDARD SOLVENT OSHA PEL: 100 PPM, ACGIH TLV: 100 PPM	8052-41-3	2.4	68	19
* ETHYLBENZENE (COMPONENT OF COMMERCIAL XYLENE) OSHA PEL/ACGIH TLV: 100 PPM (STEL 125 PPM)	100-41-4	10	79	5.2
METHYL PROPYL KETONE	107-87-9			5
METHYL AMYL KETONE	110-43-0			3
OSHA PEL: 100 PPM; ACGIH TLV: 50 PPM				
AROMATIC PETROLEUM DISTILLATE OSHA PEL: 100 PPM, ACGIH TLV: NOT ESTAB	64742-95-6	2	60	2

Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 277 deg F - 323 deg F **SPECIFIC GRAVITY (H₂O=1):** 0.86
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
SOLUBILITY IN WATER: SLIGHT
APPEARANCE AND ODOR: CLEAR LIQUID, LACQUER ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 59 deg F **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .7 **UPPER:** 7
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID
 APPROXIMATION TO HOT SURFACES.

INCOMPATIBILITY (MATERIALS TO AVOID)
 STRONG OXIDIZING AGENTS.

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1. ARDOUS DECOMPOSITION OR BYPRODUCTS

DECOMPOSITION FUMES MAY CONTAIN CARBON MONOXIDE AND OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**===== SECTION VI - HEALTH HAZARD DATA =====****I ALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE IRRITATION. EYES: LIQUID OR VAPOR CAN IRRITATE; PROLONGED CONTACT MAY LEAD TO CORNEAL DAMAGE.

S N ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

CAN BE ABSORBED. SOLVENT ACTION CAN DRY AND DEFAT THE SKIN CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS. CHRONIC: LIVER AND KIDNEY DISEASE.

CARCINOGENICITY: NT? CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No

ETHYLBENZENE HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS. THE RELEVANCE OF THESE FINDINGS TO HUMANS IS UNCERTAIN. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED ETHYLBENZENE AS A POSSIBLE HUMAN CARCINOGEN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE.

E. AGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION. SKIN: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

AVOID BREATHING VAPORS. VENTILATE AREA. DIKE AREA TO CONTAIN SPILL. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD)

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF THIS MSDS FOR HAZARD CAUTION INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. AVOID CONTACT WITH HOT METAL SURFACES. KEEP AWAY FROM EXCESSIVE HEAT OR OPEN FLAME. KEEP CONTAINERS TIGHTLY CLOSED TO PREVENT EVAPORATION. OPEN CONTAINERS SLOWLY. GROUND CONTAINERS WHEN FILLING OR EMPTYING. DO NOT PUNCTURE, DRAG OR SLIDE CONTAINER.

OTHER PRECAUTIONS

KEEP CLOSURE TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE. DO NOT GET IN EYES. AVOID PROLONGED CONTACT WITH SKIN AND CLOTHING. AVOID PROLONGED BREATHING OF VAPORS. REPLACE CAP OR BUNG AFTER EACH USE. DO NOT TAKE INTERNALLY. DO NOT WELD OR FLAME-CUT AN EMPTY CONTAINER.

===== SECTION VIII - CONTROL MEASURES =====**RESPIRATORY PROTECTION**

IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PERMISSIBLE EXPOSURE LIMITS.

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V E N T I L A T I O N

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES

SOLVENT RESISTANT REQUIRED FOR PROLONGED OR REPEATED CONTACT.

E Y E P R O T E C T I O N

SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

SOLVENT RESISTANT APRON.

WORK/HYGIENIC PRACTICES

EYEWASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

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