

M A T E R I A L S A F E T Y D A T A S H E E T

SOLVENT TOLUOL

PRODUCT NAME: SOLVENT TOLUOL
PRODUCT CODE: 49-10

HMIS CODES: H F R P
2 3 0 H

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Kelly-Moore Paint Company
ADDRESS: 987 Commercial Street
San Carlos, CA 94070
EMERGENCY PHONE: 1-800-424-9300
INFORMATION PHONE: 1-800-874-4436

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Table with 5 columns: REPORTABLE COMPONENTS, CAS NUMBER, VAPOR PRESSURE mm Hg @ TEMP, WEIGHT PERCENT. Row 1: * TOLUENE, 108-88-3, 22, 68, 100.0. Includes OSHA PEL: 200 mppcf, ACGIH TLV: 100 ppm.

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. NO INFORMATION FOUND.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 232 deg F
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 868 g/l
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: CHARACTERISTIC SOLVENT ODOR

SPECIFIC GRAVITY (H2O=1): 0.87
EVAPORATION RATE: LOWER THAN ETHER
MATERIAL V.O.C.: 868 g/l

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NO INFORMATION FOUND
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.2 UPPER: 7
EXTINGUISHING MEDIA: USE APPROVED CLASS B FIRE EXTINGUISHER OR EXTINGUISHING SPECIAL FIREFIGHTING PROCEDURES:

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED TO PROTECT FROM COMBUSTION BY-PRODUCTS. COOL CLOSED CONTAINERS WITH WATER FOG TO PREVENT PRESSURE BUILDUP.

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. VAPOR IS DENSER THAN AIR AND CAN TRAVEL AND COLLECT IN LOW SPOTS. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. 5 GALLON AND LARGER CONTAINERS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: NONE REASONABLY FORESEEABLE.
INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH STRONG OXIDIZING
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: OXIDES OF CARBON.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: MAY CAUSE NOSE AND THROAT IRRITATION. MAY CAUSE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING STEPS: HEADACHE, DIZZINESS, NAUSEA, STAGGERING GAIT, CONFUSION AND UNCONSCIOUSNESS.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: REPEATED OR PROLONGED LIQUID CONTACT MAY CAUSE SKIN IRRITATION WITH DISCOMFORT AND DERMATITIS. MAY CAUSE IRRITATION OR BURNING OF THE EYES.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: REDNESS OF SKIN WITH A BURNING SENSATION.
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: IF INGESTED MAY CAUSE GASTRO-INTESTINAL DISTRESS, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
HEALTH HAZARDS (ACUTE AND CHRONIC): OVEREXPOSURE TO SOLVENTS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, CARDIOPULMONARY FAILURE, LIVER AND KIDNEY DAMAGE AND BIRTH DEFECTS. CHRONIC: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. UNDER NORMAL CONSUMER USE CONDITIONS THE LIKELIHOOD OF ANY ADVERSE HEALTH EFFECTS ARE LOW. OVERSPRAY AND MISTS ARE PRIMARILY CONSIDERED NUISANCE DUST - NOT NORMALLY CONSIDERED HAZARDOUS IN PROUDCT MIX.

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CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No
NO INFORMATION FOUND.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PRE-EXISTING CONDITIONS INVOLVING SKIN, LIVER, KIDNEY, AND PULMONARY DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER FOR AT LEAST FIFTEEN MINUTES. CALL A PHYSICIAN. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND WASH EXPOSED AREA WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING DIFFICULTY PERSISTS OR OCCURS LATER, CONSULT A PHYSICIAN. IN THE UNLIKELY EVENT OF INGESTION S OF WATER CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. PREVENT SKIN CONTACT AND BREATHING OF VAPORS. CONFINE AND REMOVE WITH INERT ABSORBENT MATERIAL. USE SPARK PROOF TOOLS.

WASTE DISPOSAL METHOD:

DISPOSE OF ABSORBED MATERIAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATORY REQUIREMENTS. DO NOT INCINERATE IN CLOSE CONTAINERS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

OBSERVE LABEL PRECAUTIONS. KEEP AWAY FROM EXCESSIVE HEAT, SPARKS AND OPEN FLAME. KEEP CLOSURES TIGHT WHEN NOT IN USE. STORE IN AN UPRIGHT POSITION TO PREVENT LEAKAGE. GROUND CONTAINERS WHEN POURING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING. DO NOT STORE ABOVE 100 Deg.F. KEEP AND STORE OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS:

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTY CONTAINERS RETAIN RESIDUES, ALL HAZARD PRECAUTIONS MUST BE OBSERVED. WHEN SPRAYING THIS MATERIAL KEEP SPRAY BOOTH CLEAN. CERTAIN GEOGRAPHICAL AREAS HAVE AIR POLLUTION RESTRICTIONS CONCERNING THE USE OF MATERIALS IN WORK SITUATIONS WHICH MAY RELEASE VOLATILE COMPONENTS TO THE ATMOSPHERE. AIR POLLUTION REGULATIONS SHOULD BE STUDIED TO DETERMINE IF THIS MATERIAL IS REGULATED IN THE AREA WHERE IT IS TO BE USED.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION:

PROPERLY FITTED VAPOR/PARTICULATE RESPIRATOR APPROVED BY OSHA/MSHA.

VENTILATION:

SUFFICIENT IN PATTERN AND VOLUME TO KEEP VAPORS BELOW APPLICABLE OSHA REQUIREMENTS. USE EXPLOSION-PROOF MECHANICAL DEVICE IF REQUIRED.

PROTECTIVE GLOVES: SOLVENT IMPERVIOUS GLOVES.

EYE PROTECTION: GOGGLES OR SAFETY GLASSES WITH SIDE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

SAFETY SHOWER AND EYE BATH. COVERALLS ARE RECOMMENDED. A SOLVENT IMPERVIOUS APRON IS RECOMMENDED IF BODY CONTACT MAY OCCUR.

WORK/HYGIENIC PRACTICES:

WASH CONTAMINATED CLOTHING BEFORE REUSE. PERIODIC MONITORING OF EXPOSURE LEVELS/LIMITS IS RECOMMENDED.

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

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE. IT IS TRUE & ACCURATE TO THE BEST OF OUR KNOWLEDGE, BUT IS NOT INTENDED TO BE ALL INCLUSIVE. USERS SHOULD CONSIDER THIS INFORMATION AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & MUST MAKE THEIR OWN DETERMINATION OF SUITABILITY & COMPLETENESS TO ASSURE PROPER USE & DISPOSAL.