

MATERIAL SAFETY DATA SHEET
 COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200
 DATE OF PREP: 12/13/88

----- SECTION 1 -----

SUNNYSIDE CORPORATION FOR
 225 CARPENTER AVE INFORMATION: (312) 541-5700
 WHEELING, ILLINOIS 60090
 EMERGENCY TELEPHONE (312) 541-5700 ... SUNNYSIDE CORPORATION
 ----- (800) 424-9300 ... CHEM TREC

PRODUCT CLASS: PETROLEUM SOLVENT MANUFACTURER'S CODE: 821

 TRADE NAME: TOLUENE (TOLUOL) NPCA HMIS: F3 H2 R0

 PRODUCT APPEARANCE AND ODOR: CLEAR, WATER-WHITE LIQUID; AROMATIC HYDROCARBON
 ----- ODOR.

----- SECTION 2 HAZARDOUS INGREDIENTS -----

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
			TLV	PEL	
TOLUENE	108-88-3	100%	100 PPM	200 PPM	54 MM HG @25 DG C APPROX.

----- SECTION 3 EMERGENCY AND FIRST AID PROCEDURES -----

IF OVERCOME BY VAPORS, MOVE PATIENT TO FRESH AIR AND CALL PHYSICIAN. APPLY ARTIFICIAL RESPIRATION, IF NECESSARY. FOR SKIN OR EYE CONTACT, FLUSH WITH COPIOUS QUANTITIES OF WATER. GET MEDICAL ATTENTION. IF SWALLOWED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

----- SECTION 4 PHYSICAL DATA -----

THE FOLLOWING DATA REPRESENT APPROXIMATE OR TYPICAL VALUES. THEY DO NOT CONSTITUTE PRODUCT SPECIFICATIONS.

BOILING RANGE: 230-232 DG. (F) VAPOR DENSITY: HEAVIER THAN AIR
 EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE BY VOLUME: 100%
 WEIGHT PER GALLON: 7.26 LBS.
 SOLUBILITY IN WATER: NEGLIGIBLE.

----- SECTION 5 FIRE & EXPLOSION DATA -----

FLAMMABILITY CLASSIFICATION: FLAMMABLE LIQUID CLASS IB.

FLASH POINT: 45 DG. (F) (TAG, CLOSED CUP).

LOWER EXPLOSIVE LIMIT: 1 % (ESTIMATED)

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY. DO NOT USE DIRECT WATER STREAM; IT WILL SPREAD FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DO NOT STORE OR MIX WITH STRONG OXIDANTS.

SPECIAL FIRE FIGHTING PROCEDURES: USE AIR-SUPPLIED RESCUE EQUIPMENT FOR ENCLOSED AREAS. COOL EXPOSED CONTAINERS WITH WATER.

-----SECTION 6 HEALTH HAZARD DATA-----

THRESHOLD LIMIT VALUE: 100 PPM (ACGIH-TIME WEIGHTED AVERAGE).

EFFECTS OF OVEREXPOSURE: BREATHING HIGH VAPOR CONCENTRATIONS MAY RESULT IN RESPIRATORY TRACT IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION, LIVER AND KIDNEY DAMAGE. BRAIN CELL DAMAGE MAY RESULT FROM LONG TERM INHALATION OF TOLUENE VAPOR. CONTACT MAY IRRITATE SKIN AND EYES.

MAJOR ROUTE OF ENTRY: INHALATION

-----SECTION 7 REACTIVITY DATA-----

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS LIKE LIQUID CHLORINE OR CONCENTRATED OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

-----SECTION 8 SPILL OR LEAK PROCEDURES-----

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: REMOVE IGNITION SOURCES, EVACUATE AREA, AVOID BREATHING VAPOR OR CONTACT WITH LIQUID. RECOVER FREE LIQUID OR STOP LEAK IF POSSIBLE. DIKE LARGE SPILLS AND USE ABSORBENT MATERIAL FOR SMALL SPILLS. KEEP SPILLED MATERIAL OUT OF SEWERS, DITCHES AND BODIES OF WATER.

WASTE DISPOSAL METHOD: INCINERATE UNDER SAFE CONDITIONS; DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

-----SECTION 9 SAFE HANDLING AND USE INFORMATION-----

RESPIRATORY PROTECTION: APPROPRIATE VAPOR CANISTER, SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR HOSE MASK, IF NEEDED.

VENTILATION: SUFFICIENT, IN VOLUME AND PATTERN, TO KEEP WORKROOM CONCENTRATION BELOW CURRENT APPLICABLE OSHA SAFETY AND HEALTH REQUIREMENTS. SEE SECTION II. USE EXPLOSION-PROOF EQUIPMENT. NO SMOKING OR OPEN LIGHTS.

PROTECTIVE GLOVES: RUBBER OR NEOPRENE.

EYE PROTECTION: CHEMICAL SAFETY GOGGLES.

OTHER PROTECTIVE EQUIPMENT: IMPERVIOUS CLOTHING OR BOOTS, IF NEEDED.

-----SECTION 10 SPECIAL PRECAUTIONS-----

DEPT. OF LABOR STORAGE CATEGORY: FLAMMABLE LIQUID CLASS IB.

HYGIENIC PRACTICES: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID EYE CONTACT. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH SKIN WITH SOAP AND WATER AFTER CONTACT.

ADDITIONAL PRECAUTIONS: GROUND CONTAINERS WHEN TRANSFERRING LIQUID TO PREVENT STATIC ACCUMULATION AND DISCHARGE.

"EMPTY" CONTAINER WARNING: "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. DO NOT ATTEMPT TO CLEAN SINCE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO SUPPLIER OR DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

----- SECTION 11 ADDITIONAL INFORMATION -----

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

TOXIC CHEMICAL	CAS #	APPROXIMATE % BY WEIGHT
TOLUENE	108-88-3	100.00%

(LAST PAGE)