



**Response**

IF SWALLOWED: Immediately call a poison center/doctor. (P301 + P310)  
 Do NOT induce vomiting. (P331)  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304 + P340)  
 If on skin (or hair): Remove/Take-off immediately all contaminated clothing. Rinse skin with water/shower. (P303+ P361+P353)  
 If skin irritation occurs: Get medical advice/attention (P332 + P 313)  
 If exposed or concerned: Get medical advice/attention (P308 + P313)  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)  
 If eye irritation persists: Get medical advice/attention (P337 + P313)  
 In case of fire: Use NFPA Class B extinguishers. If water is used, use fog nozzles. (P370 + P378)

**Storage**

Keep cool (P235)  
 Store in well-ventilated place. Keep container tightly closed. (P403 + P233)

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations. (P501)

**3. COMPOSITION & PRODUCT INFORMATION ON HAZARDOUS INGREDIENTS:**

<u>Chemical Name</u>	<u>Common name, Synonyms</u>	<u>CAS#</u>	<u>% by weight</u>
Toluene		108-88-3	100

**4. FIRST AID MEASURES:**

**INHALATION:** REMOVE TO FRESH AIR IF OVERCOME. IF BREATHING HAS STOPPED BEGIN CPR. CALL A PHYSICIAN AT ONCE.

**EYE CONTACT:** FLUSH WITH WATER FOR 15 MINUTES.

**SKIN CONTACT:** WASH WITH HAND CLEANER; FOLLOW WITH SOAP AND WATER.

**INGESTION:** DO NOT INDUCE VOMITING. CALL PHYSICIAN AT ONCE.

**NOTE TO PHYSICIAN:** CONTAINS PETROLEUM DISTILLATES.

**PRIMARY ROUTES OF ENTRY:** INHALATION, SKIN

**5. FIRE FIGHTING MEASURES:**

FLASHPOINT, SETAFLASH: 39.2 F (4.0 C)

**GENERAL HAZARD:** EXTREMELY FLAMMABLE. MAY FORM COMBUSTIBLE OR EXPLOSIVE MIXTURES WITH AIR. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCES TO IGNITION SOURCES AND FLASH BACK.

**FIRE FIGHTING INSTRUCTIONS:** WATER SPRAY MAY BE INEFFECTIVE BUT MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, USE FOG NOZZLES.

**FIRE FIGHTING EQUIPMENT:** NFPA CLASS B EXTINGUISHERS (CO2, FOAM, DRY CHEMICAL) AND SELF-CONTAINED BREATHING APPARATUS.

**COMUSTION PRODUCTS:** SMOKE, NORMAL COMBUSTION PRODUCTS.

**6. ACCIDENTAL RELEASE MEASURES:**

**LAND SPILL:** REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA AND REMOVE MATERIAL WITH ABSORBENTS AND/OR NON-SPARKING TOOLS.

**WATER SPILL:** USE ABSORBENT BOOMS TO DIKE AREA AND MINIMIZE AREA OF CONTAMINATION.

**7. STORAGE AND HANDLING:**

STORAGE TEMPERATURE: AMBIENT  
 STORAGE PRESSURE: ATMOSPHERIC

GENERAL: KEEP MATERIAL AWAY FROM HEAT, SPARK AND OPEN FLAME. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS. USE WITH ADEQUATE VENTILATION. DO NOT STORE ABOVE 120F. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS. DO NOT CUT, BRAZE OR WELD. *FOR INDUSTRIAL USE ONLY*. KEEP OUT OF THE REACH OF CHILDREN. READ PRODUCT LABEL AND OBSERVE ALL PRECAUTIONS BEFORE USE.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION:**

**Occupational Exposure Limits**

Toluene (CAS 108-88-3)	ACGIH TWA	10 ppm
Toluene (CAS 108-88-3)	NIOSH STEL TWA	150 ppm 560 mg/m <sup>3</sup> 100 ppm 375 mg/m <sup>3</sup>

ENGINEERING CONTROLS: LOCAL EXHAUST: PREFERABLE  
 MECHANICAL EXHAUST: ACCEPTABLE-USE ONLY  
 CLASS I GROUP D APPROVED DEVICES.

PERSONAL PROTECTION: NIOSH TWA: 100 ppm  
**RESPIRATORY PROTECTION:** VENTILATE TO KEEP VAPORS BELOW THRESHHOLD LIMIT VALUES. NIOSH APPROVED RESPIRATORS FOR AREAS OF CONCENTRATED VAPORS.  
**EYES:** SPLASH GOGGLES FOR LIQUID PRODUCTS  
**GLOVES:** MUST BE IMPERVIOUS TO SOLVENTS

Exposure Guidelines Toluene CAS (108-88-3)

US-California OELS: Skin designation	Can be absorbed through the skin
US-Minnesota Haz Subs: Skin designation applies	Skin designation applies
US ACGIH Threshold Limit Values: Skin designation	Can be absorbed through the skin

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

SPECIFIC GRAVITY:	.871	FLASH POINT: SETAFLASH:	39.2 F (4.0 C)
DENSITY:	7.258	VAPOR PRESSURE AT 20C (MM OF HG):	21
VAPOR DENSITY:	> 1 (Air=1)	(VOC) CONTENT:	871 g/liter
EVAPORATION RATE (nBuAc=1):	Not available	APPEARANCE:	Colorless liquid
SOLUBILITY IN WATER:	INSOLUBLE	ODOR:	Aromatic hydrocarbon
BOILING RANGE (F):	231.08 F (110.6 C) est.	ODOR THRESHOLD:	Unknown
PHYSICAL STATE:	Liquid	PH:	Not available
% VOLATILE BY VOLUME:	100	MELTING POINT/FREEZING POINT:	Not determined
AUTOIGNITION TEMPERATURE:	Not determined		
DECOMPOSITION TEMPERATURE:	Unknown		
EXPLOSIVE/FLAMMABLE LIMITS:	(LEL): 1.1% (UEL): 7.1%		

**10. STABILITY AND REACTIVITY:**

GENERAL: THIS PRODUCT IS STABLE AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: AVOID STRONG OXIDIZING AGENTS. AVOID ALL SOURCES OF IGNITION. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO AN IGNITION SOURCE AND FLASHBACK.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

**11. TOXICOLOGICAL INFORMATION:**

NOT IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA

HEALTH EFFECTS:

LIKELY ROUTES OF EXPOSURE: skin absorption, inhalation  
 DELAYED AND IMMEDIATE CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:  
**Skin:** Dry skin, dermatitis, de-fatting of the skin with chapping and cracking  
**Inhalation:** Inebriation, followed by headache and nausea. Dizziness, convulsions and unconsciousness in sever cases.  
 Anorexia and nervousness may persist for several months following acute overexposure.

(ACUTE TOXICITY ESTIMATE): May be fatal if swallowed and enters airways

**12. ECOLOGICAL INFORMATION:**

AQUATIC AND/OR TERRESTRIAL EXOTOXICITY: Not classified as environmentally hazardous.  
 PERSISTENCE AND DEGRADABILITY: No data available  
 BIO ACCUMULATIVE POTENTIAL: Partition coefficient n-octanol/water (log Know) 2.73

**13. DISPOSAL CONSIDERATIONS:**

THIS MATERIAL IS CONSIDERED A HAZARDOUS WASTE FOR DISPOSAL PURPOSES. SEE 40 CFR PART 261.7 FOR FURTHER INFORMATION CONCERNING THE DISPOSITION OF EMPTY CONTAINERS. HAZARDOUS WASTES MAY NOT BE LANDFILLED! REFER TO 40 CFR PART 261 SUBPART C FOR DEFINITIONS OF HAZARDOUS WASTE.

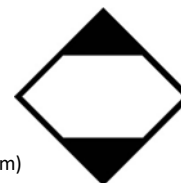
**14. TRANSPORTATION INFORMATION:**

U.S. Department of Transportation (DOT)

Shipping Description: UN1133, Adhesives, 3, PGII  
 Non-Bulk Package marking: Adhesives, UN1133  
 Non-Bulk Package labeling: Flammable liquid  
 Packaging references: 49 CFR 172.101 adhesives containing a flammable liquid  
 Exceptions: 173.150 Consumer commodity LQ-label no other marking required  
 Special Provisions: 149 Limited Quantity, Except for AIR  
 Hazardous Substance: See section for RQ's if applicable  
 Emergency Response Guide: 128



**SPECIAL SHIPPING INFORMATION:** WHEN PACKAGED IN CAULKING TUBES IN TESTED, CARDBOARD OUTER CARTONS WEIGHING < 66 POUNDS, THIS MATERIAL MAY BE SHIPPED PER HM-215K AS A LIMITED QUANTITY. SHIPPED AS A LIMITED QUANTITY, A LIMITED QUANTITY SHIPPING LABEL IS REQUIRED ON THE CARTON ONLY. OTHER SPECIAL DESCRIPTIONS, MARKS, LABELS OR PLACARDS ARE NOT NECESSARY AND THE MATERIAL MAY BE DESCRIBED ON THE BILL OF LADING BY PRODUCT NAME RATHER THAN PROPER SHIPPING DESCRIPTION.



International Maritime Dangerous Goods (IMDG)

Shipping Description: UN1133, Adhesives, 3, PGII  
 Non-Bulk Package marking: Adhesives, UN1133  
 Labels: Flammable liquid  
 Packaging-Non-Bulk: P001 UN MODEL RULES ALSO: 49 CFR 172.101 adhesives containing a flammable liquid  
 Exceptions: PP1 UN MODEL RULES ALSO: 173.150 Consumer commodity LQ-label no other marking required  
 EMS:

LIMITED QUANTITY LABEL  
 (Actual size is 100mm X 100mm)

Marine Pollutant: Yes\*  
 \*Note: For non-bulk packaging, Marine Pollutant is not regulated in containers less than 119 gallons.

International Civil Aviation Org./International Air Transport Assoc. (ICAO/IATA)

UN/ID #: UN1133  
 Proper Shipping Name: Adhesives  
 Hazard Class/Division: 3  
 Subsidiary risk:  
 Packing Group: II  
 Non-Bulk Package marking: Adhesives, UN1133  
 Labels: Flammable liquid  
 Exceptions: UN/ID#8000 Consumer commodity Limited Quantity for air label  
 ERG Code: 128

**15. REGULATORY INFORMATION:**

OSHA STATUS: HAZARDOUS

CERCLA HAZARDOUS SUBSTANCES LIST: NONE

SARA TITLE III:

SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE

SECTION 311/312: 311-YES 312-YES

SECTION 313: Contains 100 % Toluene which is a reportable Section 313 chemical

RCRA STATUS: IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT IS A RCRA HAZARDOUS WASTE. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR RESIDUE OF THE PRODUCT REMAINS CLASSIFIED A HAZARDOUS WASTE AS PER 40 CFR 261, SUBPART C. STATE OR LOCAL REGULATIONS MAY ALSO APPLY IF THEY DIFFER FROM THE FEDERAL REGULATION.



**WARNING:** This product can expose you to chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to : [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

TSCA Status: All materials contained in this product are TSCA listed.

Canadian Status: All materials contained in this product are listed on the Canadian Domestic Substance List.

European Union Status: All materials contained in this product are listed on EINECS.

Australia: Listed on AICS.

China: Listed on IECSC.

Japan: Listed on ENCS.

Korea: Listed on ECL.

New Zealand: Listed on New Zealand Inventory.

Philippines: Listed on PICCS.

Taiwan: Listed on TCSI

**16. OTHER INFORMATION:**

APPROVAL DATE: 10-30-24

SUPERSEDES DATE: 1-08-2020

REASON FOR REVISION: NEW GHS EXTENDED FORMAT

MSDS FORMAT: GHS Extended format

THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. INFORMATION IS BASED UPON SUPPLIER-ISSUED SAFETY DATA SHEETS AND MAY BE SUBJECT TO ERROR. IF APPRISED OF CHANGES, UPDATED SDS WILL BE PROMPLY ISSUED. USERS MUST MAKE THEIR DETERMINATION REGARDING THE SUITABILITY OF THE PRODUCT FOR THEIR OWN PURPOSES PRIOR TO USE. THE MANUFACTURER CANNOT ANTICIPATE ALL CONDITIONS UNDER WHICH THIS INFORMATION AND ITS PRODUCT MAY BE USED.

**READ PRODUCT LABEL CAREFULLY BEFORE USE AND FOLLOW ALL PRECAUTIONS.**  
END OF SDS