

CONCHEMCO INC. -- TOLUENE -- 6810-00-281-2002

===== Product Identification =====

Product ID:TOLUENE

MSDS Date:06/10/1999

FSC:6810

NIIN:00-281-2002

Status Code:A

MSDS Number: CKYKZ

=== Responsible Party ===

Company Name:CONCHEMCO INC.

Address:17817 DAVENPORT RD. SUITE245

City:DALLAS

State:TX

ZIP:75252

Country:US

Info Phone Num:1-972-248-4253

Emergency Phone Num:1-972-248-4253

Preparer's Name:NOT PROVIDED

CAGE:UO266

=== Contractor Identification ===

Company Name

:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SPO450-01-M-D655

CAGE:4N760

Company Name:CONCHEMCO INC.

Address:17817 DAVENPORT RD. SUITE245

Box:City:DALLAS

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Phone:1-972-248-4253

CAGE:UO266

===== Composition/Information on Ingredients =====

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

Minumum % Wt:95.

Maxumum % Wt:100.

Other REC Limits:NOT P

ROVIDED
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:188 MG/M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE HAZARDS: NONE KNOWN. EYE & SKIN
CONTACT: PRIMARY IRRITATION TO SKIN, DEFATTING, DERMATITIS.
ABSORPTION THRU SKIN INCREASES EXPOSURE. PRIMARY IRRITATION TO
EYES, REDNESS, TEARING, BLURRED VISION.

LIQUID CAN CAUSE EYE

IRRITATION. WASH THOROUGHLY AFTER HANDLING. INHALATION: ANESTHETIC.
IRRITATES RESPIRATORY TRACT. ACUTE OVEREXPOSURE CAN CAUSE SERIOUS
NERVOUS SYSTEM DEPRESSION. VAPOR HARMFUL.SWA LLOWING: HARMFUL OR
FATAL IF SWALLOWED. SWALLOWING CAN CAUSE ABDOMINAL IRRITATION,
NAUSEA, VOMITING & DIRRAHEA. ACUTE AND CHRONIC OVEREXPOSURE CAN
CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER AND LU NGS. CHRONIC:
MAY CAUSE DAMAGE TO FETUS.

Explanation of Carcinogenici

ty:THIS PRODUCT MAY CONTAIN LESS THAN 300

PPM OF BENZENE. NOT CONSIDERED HAZARDOUS IN SUCH LOW
CONCENTRATIONS.

Effects of Overexposure:EYE AND SKIN CONTACT: PRIMARY IRRITATION TO
SKIN, DEFATTING, DERMATITIS. PRIMARY IRRITATION TO EYES, REDNESS,
TEARING, BLURRED VISION. LIQUID CAN CAUSE EYE IRRITATION.
INHALATION: ANESTHETIC. IRRITATE S RESPIRATORY TRACT. ACUTE
OVEREXPOSURE CAN CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION.
SWALLOWING: CAN CAUSE ABDOMINAL IRRITATION, NAUSEA
, VOMITING AND
DIRRAHEA.

Medical Cond Aggravated by Exposure:CHRONIC OVEREXPOSURE CAN CAUSE
DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER AND LUNGS. PERSONS WITH
SEVERE SKIN, LIVER OR KIDNEY PROBLEMS SHOULD AVOID USE.

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

First Aid:EYE CONTACT: FOR EYES, FLUSH WITH PLENTY OF WATER FOR 15
MINUTES & GET MEDICAL ATTENTION. SKIN CONTACT: IN CASE OF CONTACT
WITH SKIN IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH THROUGH

LY

WITH SOAP & WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE.
INHALATION: AFTER HIGH VAPOR EXPOSURE, REMOVE TO FRESH AIR. IF
BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE
ARTIFICIAL RESPIRATION. SWALLOWING: IF SWALLOWED, CALL A PHYSICIAN
IMMEDIATELY! DO NOT INDUCE VOMITING. HAVE PATIENT LIE DOWN & KEEP
WARM. VOMITING MAY LEAD TO PNEUMONIA, WHICH MAY BE FATAL.

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

Flash Point Method:

TCC

Flash Point:=7.2C, 45.F

Autoignition Temp:=536.1C, 997.F

Lower Limits:1.4

Extinguishing Media:NFPA CLASS B EXTINGUISHERS (CARBON DIOXIDE OR FOAM)
FOR CLASS 1 B LIQUID FIRES.

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE BUT CAN PROTECT
FIRE-FIGHTERS & COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS
USED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR.
(HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS).
USE NIOSH APPROVED POSITIVE-PRES

SURE SELF-CONTAINED BREATHING
APPARATUS.

Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE! VAPORS CAN CAUSE FLASH
FIRE. KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT,
SPARKS, ELECTRIC EQUIPMENT, OPEN FLAME. CLOSED CONTAINERS MAY
EXPLODE IF EXPOSED TO EXTREME HEAT. APPLYING TO HOT SURFACES
REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS!
CONTINUE LABEL PRECAUTIONS

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

Spill Release

Procedures:STOP SPILL AT SOURCE. DIKE AREA & CONTAIN.

CLEAN UP REMAINDER WITH ABSORBENT MATERIALS. MOP UP & DISPOSE OF.
PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AREA UNTIL
CLEANED UP.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:DO NOT STORE ABOVE 49C/120F. STORE
LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS 1 B LIQUIDS. KEEP
CONTAINER TIGHTLY CLOSED AND UPRIGHT WHEN NOT

IN USE TO PREVENT

LEAKAGE. ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAME. GROUND CONTAINERS WHEN TRANSFERRING.

Other Precautions:USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN & EYES. WEAR OSHA STANDARD GOGGLES OR FACE SHIELD. CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR IMPERVIOUS APRON & FOOTWEAR. AVOID FREE FALL OF LIQUID. DO NOT FLAME CUT, SAW, BRAZE OR WELD. EMPTY CONTAINER VERY HAZARDOUS.

==== Exposure Controls/Personal Protection =====

Respiratory Protection:USE VAPOR, MIST GAS MASK WITH USE LIMITS, OR VENTILATE TO KEEP VAPORS OF THIS MATERIAL BELOW 25 PPM. IF OVER TLV, IN ACCORDANCE WITH 29 CFR 1910.134, USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS. CONSULT SAFETY EQUIPMENT SUPPLIER. USE EXPLOSION-PROOF EQUIPMENT.
Ventilation:LOCAL EXHAUST NECESSARY. MECHANICAL (GENERAL) ACCEPTABLE.
Protective Gloves:IMPERVIOUS

Eye Protection:WEAR OSHA STANDARD GOGGLES OR FACE SHIELD.
Other Protective Equipment:WEAR APRON & FOOTWEAR IMPERVIOUS TO THIS MATERIAL. WASH CLOTHING BEFORE REUSE. PROVIDE READILY ACCESSIBLE EYE WASH STATIONS & SAFETY SHOWERS.
Work Hygienic Practices:WASH CLOTHING BEFORE REUSE. WASH AT END OF EACH WORKSHIFT & BEFORE EATING, SMOKING OR USING THE TOILET. PROMPTLY REMOVE CLOTHING THAT BECOMES CONTAMINATED. DESTROY CONTAMINATED LEATHER ARTICLES.

Supplemental Safety and Health
LAUNDRY OR DISCARD CONTAMINATED CLOTHING. ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

==== Physical/Chemical Properties =====

HCC:F2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:230F TO 232F
Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:23 @ 20C/68F
Vapor Density:3.2
Spec Gravity:.870
VOC Pounds/Gal

Ilon:871
VOC Grams/Liter:7.26
Viscosity:NOT PROVIDED
Evaporation Rate & Reference:NOT PROVIDED
Solubility in Water:NOT PROVIDED
Appearance and Odor:WATER-WHITE LIQUID, AROMATIC ODOR
Percent Volatiles by Volume:100
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES & PEROXIDES.
Stability Condition to Avoid:ISOLATE FROM OXIDIZERS, HEAT, SPARKS,
ELECTRIC EQUIPMENT & OPEN FLAME.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE FROM BURNING.

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

Toxicological Information:EYE & SKIN CONTACT: PRIMARY IRRITATION TO SKIN, DEFATTING, DERMATITIS. ABSORPTION THRU SKIN INCREASES EXPOSURE. PRIMARY IRRITATION TO EYES, REDNESS, TEARING, BLURRED VISION. LIQUID CAN CAUSE EYE IRRITATION. WASH THOROUGHLY AFTER HANDLING. INHALATION: ANESTHETIC.
IRRITATES RESPIRATORY TRACT.
ACUTE OVEREXPOSURE CAN CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION. VAPOR HARMFUL.SWALLOWING: HARMFUL OR FATAL IF SWALLOWED. SWALLOWING CAN CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA. ACUTE AND CHRONIC OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER AND LUNGS. CHRONIC: MAY CAUSE DAMAGE TO FETUS.

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

Ecological:TOLUENE CAS # 108-88-3: LOWEST KNOWN LET
HAL DOSE DATA LD50
(ORAL): 3000 MG/KG (RATS); LC50 (VAPORS): 5300 PPM (MICE); LD50 (SKIN): 4000 MG/KG (RABBITS). AQUATIC ANIMAL INFORMATION: THE MOST SENSITIVE KNOWN MARINE GROUP TO ANY COMPONENT OF THIS PRODUCT IS: JUVENILE RAINBOW TROUT ARE ADVERSELY AFFECTED BY COMPONENTS OF THIS PRODUCT. MOBILITY: THIS MATERIAL IS A MOBILE LIQUID. DEGRADABILITY: THIS PRODUCT IS NONBIODEGRADABLE. ACCUMULATION: THIS PRODUCT DOES NOT ACCUMULATE OR BIOMAGNIFY IN THE ENVIRONMENT.

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

Waste Disposal Methods:RECYCLE / DISPOSE OF OBSERVING NATIONAL, REGIONAL, STATE, PROVINCIAL AND LOCAL HEALTH, SAFETY & POLLUTION LAWS. IF QUESTIONS EXIST, CONTACT THE APPROPRIATE AGENCIES.

===== MSDS Transport Information =====

Transport Information:DOT SHIPPING NAME: TOLUENE, 3, UN 1294, PG-I I.
DRUM LABEL: (FLAMMABLE LIQUID). IATA / ICAO: SAME AS DOT SHIPPING NAME. IMO / IMDG: SAME AS DOT SHIPPING NAME. EMERGENCY RESPONSE GUIDEBOOK NUMBER: 130.

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

SARA Title III Information:SARA SECTION 311/312 HAZARDS: ACUTE HEALTH, FIRE. SARA TITLE III, SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT CONTAINS THE FOLLOWING 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 OF 40 CFR 372: TOLUENE CAS # 108-88-3; 100 % (311,312,313,RCRA), RQ (LBS): 1000. IF > 1000 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER, THE "RQ" OF TOLUENE IS EXCEEDED.
Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA LIST.
State Regulatory Information:CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE REPRODUCTIVE TOXICITY: TOLUENE.

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

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