



TRANSPORTATION EMERGENCY
CALL

NON-TRANSPORTATION
BAYER EMERGENCY PHONE...: (412) 923-1800
BAYER INFORMATION PHONE.: (800) 662-2927

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....	Dichlorotoluene Mixture
PRODUCT CODE.....	N-834
CHEMICAL NAME.....	Benzene, dichloromethyl-
SYNONYMS.....	(Trifluoromethyl) trimethylsilane; 4-Chloro-alpha-methylbenzylamine
CAS NUMBER.....	29797-40-8
FORMULA.....	C7H6Cl2

2. COMPOSITION/INFORMATION ON INGREDIENTS:

[illegible]

HAZARDOUS INGREDIENTS

Dichlorotoluene*
29797-40-8 OSHA : Not Established
ACGIH: Not Established

Essentially 100 %

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

* DANGER! Combustible; Color: Colorless to yellow; Form:
* Liquid; Odor: Characteristic; May cause skin irritation;
* May be harmful if absorbed through skin.

POTENTIAL HEALTH EFFECTS:

Product Code: N-834
Approval date: 03/02/2001

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3. HAZARDS IDENTIFICATION (Continued)

ROUTE(S) OF ENTRY.....: Skin Contact; Eye Contact; Inhalation

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION.....: None known.

ACUTE SKIN CONTACT.....: Based on animal toxicity testing (see Section 11), we expect this product to cause irritation to the skin with symptoms of reddening, stinging, and swelling. This product may be absorbed through the skin resulting in systemic toxicity.

ACUTE EYE CONTACT.....: Based on animal toxicity testing (see Section 11), we expect this product to be slightly irritating to the eyes.

ACUTE INGESTION.....: Based on animal toxicity testing (see Section 11), we expect this product to be essentially non-toxic by ingestion.

CHRONIC EFFECTS OF EXPOSURE....: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY.....: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: Persons with preexisting skin conditions or impaired pulmonary function may be more susceptible to the effects of this chemical.

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: Immediately flush eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention.

FIRST AID FOR SKIN.....: In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if irritation persists. Wash clothing before reuse.

FIRST AID FOR INHALATION: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.

FIRST AID FOR INGESTION.: If swallowed, call a physician immediately.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: 86.0 C (186.8 F) DIN 51758

AUTO-IGNITION TEMPERATURE.....: Greater than 500 C DIN 51794

EXTINGUISHING MEDIA.....: Carbon Dioxide; Dry Chemical; Foam; Water spray for large fires.

5. FIRE FIGHTING MEASURES (Continued)

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.....: Utilize protective clothing and equipment. Dike or dam spill area to prohibit product from entering waterway. Ventilate the area to remove vapors. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE(MIN/MAX): Not Established

SHELF LIFE.....: 2 years

SPECIAL SENSITIVITY.....: None known.

HANDLING/STORAGE PRECAUTIONS: Avoid breathing vapors. Avoid contact with skin. Avoid unnecessary contact. Wash thoroughly after handling. Take appropriate measures against static electricity. Store in dry place, away from excessive heat, in original or similar waterproof containers. Reseal containers immediately after use. Store away from food and beverages.

8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS.....: Chemical safety goggles.

SKIN PROTECTION REQUIREMENTS.....: Gloves of PVC or rubber and other chemically impervious clothing as necessary in order to prevent skin exposure. Employees should wash their hands and face before eating, drinking, or using tobacco products.

VENTILATION REQUIREMENTS.....: Use local and general exhaust ventilation to control levels of exposure.

RESPIRATOR REQUIREMENTS.....: An air-purifying organic vapor cartridge respirator is required any time inhalation of vapor is possible. Observe OSHA regulations for respirator use (29 CFR 1910.134).

ADDITIONAL PROTECTIVE MEASURES.....: Emergency showers and eye wash stations should be immediately available. Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees on the safe use and handling of the product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Liquid
COLOR.....: Colorless to yellow
ODOR.....: Characteristic
PH.....: Not Established
BOILING POINT.....: Approx. 301 C
MELTING/FREEZING POINT.....: Approx. -20 C
SOLUBILITY IN WATER.....: Approx. 11.2 mg/l at 68 F (20 C)
SPECIFIC GRAVITY.....: Approx. 1.35 g/cm3 at 68 F (20 C)
BULK DENSITY.....: Not Established
VAPOR PRESSURE.....: Less than 1 hPa at 68 F (20 C); Less than 1 hPa at
75 F (25 C); Approx. 3 hPa at 122 F (50 C)

10. STABILITY AND REACTIVITY:

STABILITY.....: This is a stable material.
HAZARDOUS POLYMERIZATION....: Will not occur.
INCOMPATIBILITIES.....: Oxidizing and reducing agents.
INSTABILITY CONDITIONS.....: None known.
DECOMPOSITION PRODUCTS.....: In case of fire CO, CO2, hydrogen chloride, and
other potentially toxic fumes.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY

ORAL LD50.....: Greater than 2000 mg/kg (Rat). The dosage of 2000
mg/kg caused no symptoms.
EYE EFFECTS.....: Slightly irritating (Rabbit)
SKIN EFFECTS.....: Moderately irritating (Rabbit)
SENSITIZATION.....: Not a sensitizer. (Guinea pig)

12. ECOLOGICAL INFORMATION:

BIOLOGICAL OXYGEN DEMAND....: No BOD detectable under the conditions of MITI I
(OECD Guideline 301 C)

12. ECOLOGICAL INFORMATION (Continued)

FISH TOXICITY..... LC50: Approx. 3.1 mg/l (96 h) Brachydanio rerio
INHIBITION BACTERIA..... EC50: 11,000 mg/l

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD..... Waste disposal should be in accordance with existing federal, state and local environmental regulations. All handling precautions for full containers must be followed for empty containers when containers have been passed on for reconditioning or disposal. The recipient must be advised of the products hazards.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME..... Dichlorotoluene
FREIGHT CLASS BULK..... Chemicals, NOI
FREIGHT CLASS PACKAGE..... Chemicals, NOI (NMFC 60000)
PRODUCT LABEL..... Dichlorotoluene mixture

DOT (DOMESTIC SURFACE)

PROPER SHIPPING NAME..... Combustible liquid, n.o.s.
HAZARD CLASS OR DIVISION Combustible Liquid
UN/NA NUMBER..... NA1993
PACKING GROUP III
DOT PRODUCT RQ lbs (kgs)..... None
HAZARD LABEL(s)..... None
HAZARD PLACARD(s)..... Combustible

* If the quantity per package is 119 gallons or less, this material ships as non-regulated.

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER.... Non-Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER.... Non-Regulated

 15. REGULATORY INFORMATION:

OSHA STATUS.....: This product is hazardous under the criteria of
 the Federal OSHA Hazard Communication Standard 29
 CFR 1910.1200.
 TSCA STATUS.....: On TSCA Inventory
 CERCLA REPORTABLE QUANTITY...: None
 SARA TITLE III:
 SECTION 302 EXTREMELY
 HAZARDOUS SUBSTANCES...: None
 SECTION 311/312
 HAZARD CATEGORIES.....: Immediate Health Hazard
 SECTION 313
 TOXIC CHEMICALS.....: None
 RCRA STATUS.....: If discarded in its purchased form, this product
 would not be a hazardous waste either by listing
 or by characteristic. However, under RCRA, it is
 the responsibility of the product user to
 determine at the time of disposal, whether a
 material containing the product or derived from
 the product should be classified as a hazardous
 waste. (40 CFR 261.30-24)

The following chemicals are specifically listed by individual states; other
 product specific health and safety data in other sections of the MSDS may also
 be applicable for state requirements. For details on your regulatory
 requirements you should contact the appropriate agency in your state.

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
Dichlorotoluene 29797-40-8	Essentially 100 %	PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%
 PA3 = Pennsylvania Non-hazardous present at 3% or greater.

 16. OTHER INFORMATION:

HMIS RATINGS: Health Flammability Reactivity
 1 2 1
 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe
 Bayer's method of hazard communication is comprised of Product Labels and

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16. OTHER INFORMATION (Continued)

Material Safety Data Sheets. HMIS ratings are provided by Bayer as a customer service.

REASON FOR ISSUE.....: New product
PREPARED BY.....: S. Van Volkenburg
APPROVED BY.....: J. M. Mostowy, Ph.D.
APPROVAL DATE.....: 03/02/2001
SUPERSEDES DATE.....: None
MSDS NUMBER.....: 41933

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