

DATE: JULY 17, 1978 DATE UPDATED: APRIL 22, 1978

CHEMICAL NAME: 1,1,2-TRICHLOROETHANE

MANUFACTURER NAME/ADDRESS:
GIBRALTAR CHEMICAL PRODUCTS, INC.
P.O. BOX 1540

KILGORE TX 77560

MANUFACTURER PHONE NO:
214-383-2377
000-000-0000

CAS OR TRADE NO. 00003332 EPA REPORTABLE QTY:

CHEMICAL FAMILY: CHLORINATED HYDROCARBON
FORMULA: CH₂ClCHCl₂

DOT SHIPPING NAME: TRICHLOROETHANE
DOT HAZARD CLASS: N/A

SUBSIDIARY RISK: UN T.O. NUMBER:
2931

ALIAS:
BETA-TRICHLOROETHANE VINYL TRICHLORIDE
ETHYLENE TRICHLORIDE

* SECTION 2 PHYSICAL DATA/HAZARDOUS INFO *

BOILING POINT	VAPOR DENSITY	SOLUBILITY
87.50MM HG	(AIR=1)	(WEIGHT% IN WATER)
113.50 @ 760 MM	SEE MISC. SECT.	0.48 G/100G

FREEZING/MELTING POINT	VOLUME & VOLATILE	PH OF SOLUTIONS:
N/A	100%	N/A

VAPOR PRESSURE:	EVAPORATION RATE:
(MM HG.) 36 @ 30 C	= 1

SPECIFIC GRAVITY(H ₂ O=1)	BULK DENSITY	HEAT OF SOLUTION
1.42	N/A	N/A

APPEARANCE AND ODOR:
COLORLESS LIQUID WITH A SWEETISH ODOR

INGREDIENT:	%
1,1,2-TRICHLOROETHANE	85-95
METHYL ETHYL KETONE	5-10

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 * SECTION 3 FIRE AND EXPLOSION HAZARD DATA *

FLASH POINT DEG F -- FLAMMABLE LIMITS IN AIR (% BY VOLUME) --
 (METHOD USED) LFL: UFL:
 NONE NONE

EXTINGUISHING MEDIA:
 FOR SURROUNDING FIRE USE DRY CHEMICAL AND WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:
 SPECIAL PROCEDURES: WEAR SCBA.
 UNUSUAL HAZARDS: N/A

 * SECTION 4.1 HEALTH HAZARD DATA *

PERMISSIBLE EXPOSURE LIMITS:
 ACGH TLV: 10 PPM (45 MG/M3)

OSHA-PCL: N/A

MFRS REC: N/A

CARCINOGENICITY STATUS (SOURCE):
 N/A

TOXICITY DATA: EFFECTS OF OVEREXPOSURE, ETC.
 EFFECTS OF OVEREXPOSURE:
 IRRITATION TO EYES, NOSE AND THROAT. CENTRAL NERVOUS SYSTEM DEPRESSION.
 HEADACHE AND DIZZINESS.

 * SECTION 4.2 EMERGENCY/FIRST AID PROCEDURE *

INHALATION:
 REMOVE TO FRESH AIR.

EYE CONTACT:
 IRRIGATE IMMEDIATELY.

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SKIN CONTACT:
WASH WITH SOAP AND WATER.

INGESTION:
GET MEDICAL ATTENTION.

NOTES TO PHYSICIAN (INCLUDING ANTIDOTES):
NONE

* SECTION 5 REACTIVITY DATA *

STABILITY:
STABLE
CONDITIONS TO AVOID:
MOISTURE

HAZARDOUS POLYMERIZATION:
N/A
CONDITIONS TO AVOID:
N/A

INCOMPATIBILITY (MATERIALS TO AVOID):
OXIDIZERS, CAUSTICS, ALUMINUM, MAGNESIUM, SODIUM-POTASSIUM

HAZARDOUS DECOMPOSITION PRODUCTS:
PHOSGENE, HCL

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SECTION 5. SPILL OR LEAK PROCEDURES

WASTE DISPOSAL METHOD:
INCINERATION

* SECTION 7.1 SPECIAL PROTECTION *

~~RESPIRATORY PROTECTION:~~
~~@ < 500 PPM: SAF/SCBA; ESCAPE G/IDV/SCBA~~

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*****SECTION 7.2 SPECIAL PROTECTION DATA*****
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VENTILATION(TYPE):
GENERAL — TO MEET TLV REQUIREMENTS

EYE PROTECTION:
CHEMICAL GOGGLES

GLVES:
NITRILE OR BUTYL RUBBER

OTHER PROTECTIVE EQUIPMENT:
N/A

*****SECTION 8.1 SPECIAL PRECAUTIONS*****

~~SPECIAL PRECAUTIONS AND COMMENTS:
HANDLING & STORAGE: STORE IN A WELL VENTILATED, COOL, DRY AREA.
OTHER: KEEP AWAY FROM STRONG OXIDIZERS AND CAUSTICS.~~

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***** SECTION 9.2 REFERENCES *****
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REFERENCES:
N/A

 * SECTION 8.4 MISC INFORMATION *

MISC INFORMATION:
IDENTITY OF MATERIAL:

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INTERNAL MATERIAL SAFETY DATA SHEET 4561

79-70-1
WASTE I.D. NO.: 1000

PHYSICAL AND CHEMICAL PROPERTIES:
VAPOR DENSITY (AIR=1)(B.P., 750 MM) 4.21 G/L

* UPDATED: MARCH 24, 1986 *

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