

FREON TMC 630#

MSDS Number

CBKCK

National Stock Number

6850-00N069219

Product Name

FREON TMC 630#

Manufacturer

ASHLAND CHEMICAL INC

Product Identification

Product ID:FREON TMC 630#

MSDS Date:04/26/1989

FSC:6850

NIIN:00N069219

MSDS Number: CBKCK

Responsible Party

ASHLAND CHEMICAL INC

COLUMBUS , OH 43216

US

Emergency Phone: 800-274-5263

Info Phone: 614-889-3333

Cage: 34897

Contractor

ASHLAND CHEMICAL CO

2219

COLUMBUS, OH 43216-2219

US

614-790-3333/800-274-5263

Cage: 34897

Ingredients

METHANE, DICHLORO-; (METHYLENE CHLORIDE) (SARA 313)

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 54%

OSHA PEL500 PPM

ACGIH TLV: 50 PPM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ETHANE, 1,1,2-TRICHLORO-,1,2,2-TRIFLUORO-;

CAS: 76-13-1

RTECS: KJ4000000

Fraction By Weight: 46%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM;1250 STEL

EFT IN HUMANS. ADRENOMIMETICS (I.E., EPINEPHRINE)

RTECS: 9999999ZZ

IN HUMANS ACUTELY OR CHRONICALLY EXPOSED TO

RTECS: 9999999ZZ

DFLCT, ADMIN OXYG. IF BRTHG HAS STOPPED GIVE

RTECS: 9999999ZZ

NOT GIVE STIMULANTS. EPINEPHRINE OR EPHEDRINE MAY

RTECS: 9999999ZZ

WEARING PROT EQUIP SHOULD BE EXCLUDED FROM AREA

RTECS: 9999999ZZ

AT SOURCE, DIKE AREA OF SPILL TO PVNT SPREADING, PUMP

RTECS: 9999999ZZ

SAND, CLAY, EARTH, FLOOR ABSORB/OTHER ABSORB MATL &

RTECS: 9999999ZZ

LANDFILL I/A/W LOCAL, STATE & FEDERAL

RTECS: 9999999ZZ

MUST BE OBSERVED.

RTECS: 9999999ZZ

MISUSE OF "EMPTIED" CNTNRS (DRUMS, PAILS, ETC).

RTECS: 9999999ZZ

ARC WELDING, OPEN FLAMES/HOT SURFS. HEAT &/OR UV

RTECS: 9999999ZZ

CNDTNS (SEE YOUR SFTY EQUIP SUPPLIER).

RTECS: 9999999ZZ

ALCOHOL, VITON.

RTECS: 9999999ZZ

IMPERVIOUS CLOTHING & BOOTS.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE:EYES:CAN CAUSE SEV IRRIT, REDNESS, TEARING, BLURRED VISION. SKIN:PRLNG/RPTD CONT CAN CAUSE MOD IRRIT, DEFAT, DERM. INHAL:EXCESSIVE INHAL OF VAPS CAN CAUSE NASAL & RESP IRRIT, CNS EFTS INCL DIZZ, WEAK, FATG, NAUS, HDCH & POSS UNCON, &EVEN DEATH. INGEST:CAN CAUSE GI IRRIT, NAUS, VOMIT & DIARR. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:METHYLENE CHLORIDE:IARC MONOGRAPHS, SUPP, VOL 7, PG 194, 1987:GRP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 1994:ANTIC (SUPDAT)

Effects of Overexposure:HLTH HAZ:ASPIR OF MATL INTO LUNGS CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. CHRONIC:EEXPOS TO METHYLENE CHLORIDE CAN RAISE LEVEL OF CARBON MONOXIDE IN BLOOD CAUSING CVS STRESS. OVEREXP TO THIS MATL (OR ITS COMPONENTS) HAS APPARENTLY BEEN FOUND TO CAUSE FOLLOWING EFTS IN LAB ANIMALS:LIVER ABNORMS, LUNG DMG. (SUPP DATA)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:SKIN:THORO WASH EXPOS AREA W/SOAP & WATER. REMOVE CONTAM CLTHG. LAUNDER CONTAM CLTHG BEFORE RE-USE. EYES:FLUSH W/LG AMTS OF WATER FOR AT LST 15 MINS, LIFTING UPPER & LOWER LIDS OCCAS. GET MED ATTN. IN GEST:DO NOT INDUCE VOMIT. KEEP PERS WARM, QUIET & GET MED ATTN. ASPIR OF MATL INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. INHAL:REMOVE INDIVIDUAL TO FRESH AIR. IF BRTHG IS (ING 5)

Fire Fighting

Extinguishing Media:WATER FOG.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE FLUORIDES, CHLORIDES & PHOSGENE .

Accidental Release

Spill Release Procedures:SM SPILL:ABSORB LIQ ON PAPER, VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL & TRANSFER TO HOOD. LG SPILL:PVNT RUN-OFF TO SEWERS, STREAMS/OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHS AS REQD, THAT SPILL HAS OCCURED. PERS NOT (ING 7)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:CNTNRS OF THIS MATL MAY BE HAZ WHEN EMPTIED. SINCE EMPTIED CNTNRS RETAIN PROD RESIDUES (VAP, LIQ &/OR SOLID), ALL HAZ PRECS GIVEN IN THIS MSDS(ING 11)

Other Precautions:CNTNRS WHOULD BE EITHER RECONDITIONED BY CERTIFIED FIRMS/PROPERLY DISP OF BY APPRVD FIRMS. DISP OF CNTNRS SHOULD BE I/A/W APPLIC LAWS & REGS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS. SERIOUS ACCIDENTS HAVE RESULTED FROM (ING 12)

Exposure Controls

Respiratory Protection:IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APPRVD RESP (NEG PRESS TYPE) UNDER SPECIFIED (ING 14)

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:RESIST GLOVES SUCH AS:POLYVINYL (ING 15)
Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .
Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET
ANSI DESIGN CRITERIA . TO PVNT RPTD/PRLNG SKIN CONT, WEAR (ING 16)
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
CNDTNS (STAB):CHLORIDE & SM AMTS OF PHOSGENE & CHLORINE. HAZ DECOMP
PROD:MATLS:HYDROGEN CHLORIDE. EXPLAN OF CARCIN:TO BE CARCIN.
ANIMAL:LUNG, LIVER, SALIVARY, MAMMARY GLAND (TUMORS). EFTS OF
OVEREXP:C HLOROFLUOROCARBON (CFC) MATLS HAVE PRDCD SENSIT OF
MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR (ING
3)

Chemical Properties

Boiling Pt:B.P. Text:97.0F,36.1C
Vapor Pres:500 @ 25C
Vapor Density:4.9
Spec Gravity:1.42
Evaporation Rate & Reference:0.3 (CARBON TETRA-CL = 1)
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume:>95

Stability

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT W/STRONG OXIDIZING AGENTS, REACTIVE METALS SUCH AS
ALUMINUM & MAGNESIUM.
Stability Condition to Avoid:AVOID CONT W/OPEN FLAME, WELDING ARCS,
RESISTANCE HEATERS, ETC, WHICH CAN RSLT IN THERMAL DECOMP RELS
HYDROGEN (SUPDAT)
Hazardous Decomposition Products:CHLORIDES, FLUORIDES . PHOSGENE,
HYDROGEN FLUORIDE, CARBON DIOXIDE & CARBON MONOXIDE, ETC. MAY FORM
TOX (SUPDAT)

Disposal

Waste Disposal Methods:SM SPILL:ALLOW VOLATILE PORTION TO EVAP IN HOOD.
ALLOW SUFFICIENT TIME FOR VAPS TO COMPLETELY CLEAR HOOD DUCT WORK.
DISP OF REMAINING MATL I/A/W APPLIC REGS. LG SPILL:DESTROY BY LIQ
INCIN W/OFF-GAS SC RUBBER. CONTAM ABSORB MAY BE DEPOSITED IN (ING
10)

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.