METHYLENE CHLORIDE INDUST GRD

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product: METHYLENE CHLORIDE
AS NUMBER: 75-09-2

NORTHWEST FIBERGLASS
595 COLUMBUS AVE NE
MINNEAPOLIS, MN 55418

PRODUCT: 3590000
INVOICE: 916288
INVOICE DATE: 02/23/90
TO: SAME

ATTN: PLANT MGR./SAFETY DIR.

General or Generic ID: CHLORINATED HYDROCARBON

DOT Hazard Classification: ORM-A

If present, IARC, NTP and OSHA CARCINOGENS and CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT

METHYLENE CHLORIDE
CAS #: 75-09-2

Identified as a CARCINOGEN by IARC

% (by wt) PEL TLV Note

100 500 PPM 50 PPM 1 1

Notes:

1. THE OSHA ACCEPTABLE CEILING CONCENTRATION IS 1000 PPM. THE ACCEPTABLE MAXIMUM PEAK ABOVE THE ACCEPTANCE CEILING CONCENTRATION FOR AN 8-HOUR SHIFT IS 2000 PPM FOR A MAXIMUM DURATION OF 5 MINUTES IN ANY 2 HOURS. NIOSH RECOMMENDS A LIMIT OF 75 PPM, 8-HOUR TWA: 500 PPM 15 MINUTE CEILING.

THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

Boiling Point

for PRODUCT 102.90 - 104.70 Deg C
1 39.58 - 40.58 Deg C
2 760.00 mm Hg

at

Pressure

for PRODUCT

355.00 mm Hg
60.00 Deg C
20.00 Deg C

Specific Vapor Density

AIR = 1

Specific Gravity

1.318 - 1.422
77.00 Deg F
25.00 Deg C

Percent Volatiles

100.00%

Evaporation Rate

ETHYL ETHER = 1

FLASH POINT NOT APPLICABLE

EXPLOSIVE LIMIT (PRODUCT)

LOWER - 13.0% UPPER - 23.0%

DISCHARGING MEDIA: WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS; CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

SPECIAL FIRE & EXPLOSION HAZARDS: NOT APPLICABLE

NFPA CODES:

HEALTH - 2 FLAMMABILITY - 1 REACTIVITY - 0

PERMISSIBLE EXPOSURE LEVEL

500 PPM

THRESHOLD LIMIT VALUE

50 PPM

EFFECTS OF ACUTE OVEREXPOSURE:

FOR PRODUCT

EYES - CAN CAUSE IRRITATION.
SKIN - CAN CAUSE IRRITATION.
BREATHEING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION. CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS, AND EVEN DEATH.

SECTION 8 - HUMAN HEALTH INFORMATION

RECOMMENDATIONS FOR HANDLING AND STORAGE

GENERAL RECOMMENDATIONS

DO NOT INGEST OR INHALE. KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY, WELL-VENTILATED AREA.

STORAGE

COMMERCIAL PRODUCTS SHOULD BE STORED IN A COOL, DRY, WELL-VENTILATED AREA.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT NOT APPLICABLE

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1.102

1.111 M: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER

CONTAMINATED CLOTHING BEFORE RE-USE.

1.112 FL: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION.

1.14 N: DO NOT INDUCE VOMITING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. CALL PHYSICIAN OR TRANSPORT TO AN EMERGENCY FACILITY.

1.6 A: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

1.7 N: DO NOT GIVE STIMULANTS. EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS.

2.2.1 ROUTES OF ENTRY:

INHALATION, SKIN CONTACT

2.12 OF CHRONIC OVEREXPOSURE: FOR PRODUCT

2.21 DISCHARGE RISKS: METHYLENE CHLORIDE IS LISTED AS A POTENTIAL CARCINOGEN IN IARC. RESULTS OF LABORATORY ANIMAL TESTS SHOW THAT METHYLENE CHLORIDE PRODUCED: BENIGN TUMORS IN RATS EXPOSED TO 500 PPM; CANCER IN RATS AND MICE EXPOSED TO 1500 PPM AND HIGHER, BUT NOT IN HAMSTERS. IT INCREASED THE RATE OF SPONTANEOUSLY OCCURRING MALIGNANT TUMORS IN THE BEAVER.

2.13 HISTORICAL STUDIES FAILED TO SHOW A TUMORGENIC RESPONSE IN PLANT WORKERS.

2.14 HUMAN EMPIRICAL STUDIES TO EVALUATE POTENTIAL BIRTH DEFECTS AND EFFECTS ON REPRODUCTION SHOWN IN LABORATORY ANIMALS: FEMALE ANIMALS DEVELOPED ANOMALIES AT 4500 PPM. NO TERATOLOGICAL EFFECTS AND NO EFFECTS ON REPRODUCTION AT CONCENTRATIONS OF 4500 AND 1225 PPM.

2.15 USING THIS MATERIAL OR ITS COMPONENTS HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, LUNG DAMAGE.

2.21 POLYMERIZATION: CANNOT OCCUR

2.22 STABILITY: STABLE

2.24 COMATIVITY: AVOID CONTACT WITH: ALUMINUM

2.25 REACTIBILITY: SECTION WHERE REACTIVITY DATA IS ATTACHED

2.26 INCOMPATIBILITY: SECTION WHERE INCOMPATIBILITY DATA IS ATTACHED

2.27 SPILLS: CAN BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

2.28 SPILLS: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

2.29 SPILLS: PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, Dike AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND CROWELED INTO CONTAINERS.

3.1 DISPOSAL METHOD:

3.11 INCORPORATION: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD. WORKER. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

3.12 SPILLS: DESTROY BY LIQUID INCINERATION WITH OFF-GAS SCRUBBER.

3.13 CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

3.2 DISPOSAL: SECTION WHERE DISPOSAL EQUIPMENT IS ATTACHED

4.1 RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION 11), USE NIOSH/OSHA-APPROVED AIR SUPPLIED RESPIRATOR IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS, OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/OSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIC CONDITIONS. SEE YOUR SAFETY EQUIPMENT SUPPLIER.

4.2 PROTECTIVE CLOTHING: SECTION WHERE CLOTHING DATA IS ATTACHED

4.3 PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

4.4 PRECAUTIONS OR OTHER CONCERNS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN empty. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/ OR SOLID), ALL HAZARDOUS MATERIALS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

5.4 If information is accumulated herein is believed to be accurate but is not warranted to be whether originating at the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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