

INTERNAL MATERIAL SAFETY DATA SHEET 1628

1954 : DECEMBER 1, 1987 DATE UPDATED: APRIL 21, 1988

CHEMICAL NAME: CHLOROPRENE

MANUFACTURER NAME/ADDRESS:

PPG - LAKE CHARLES
SAFETY DEPARTMENT
LAKE CHARLES COMPLEX
LAKE CHARLES LA 70602

MANUFACTURER PHONE NO:

318-491-4343 INDUSTRIAL HYGIENE
318-491-4500 AFTER HOURS

CAS OR TRADE NO. 00126-99-8 C EPA REPORTABLE QTY:

CHEMICAL FAMILY: HALOGEN COMPOUND, ALIPHATIC

FORMULA: C₃H₃CL

DOT HAZARD CLASS: FLAMMABLE LIQUID

SUBSIDIARY RISK:

UN I.D. NUMBER:
1991

ALIAS:

2-CHLORO-1,3-BUTADIENE

NEOPRENE

2-CHLOROBUTADIENE-1,3

CHLOROBUTADIENE

2-CHLOROBUTADIENE-1,3

BETA-CHLOROPRENE

* SECTION 1 PHYSICAL DATA/HAZARDOUS INGRED *

BOILING POINT

2760MM Hg

138 DEG. F

VAPOR DENSITY

(AIR=1)

3.0

SOLUBILITY

(WEIGHT% IN WATER)

SLIGHTLY SOLUBLE

FREEZING/MELTING POINT

-202 DEG. F

VOLUME & VOLATILE

NOT LISTED

PH OF SOLUTIONS:

NOT LISTED

VAPOR PRESSURE:

179 MMHG @ 20 DEG. C

EVAPORATION RATE:

NOT AVAILABLE

SPECIFIC GRAVITY(H2O=1)

1.0

BULK DENSITY

NOT LISTED

HEAT OF SOLUTION

NOT LISTED

APPEARANCE AND ODOR:

VOLATILE, COLORLESS LIQUID WITH ETHER-LIKE ODOR

INGREDIENT:

CHLOROPRENE

25

SL 014928

INTERNAL MATERIAL SAFETY DATA SHEET 1638

 * SECTION 2 FIRE AND EXPLOSION HAZARD DATA *

FLASH POINT DEG F (METHOD USED) FLAMMABLE LIMITS IN AIR(% BY VOLUME)
 -4 DEG. F CC LEL: UEL:
 4.0 20.0

EXTINGUISHING MEDIA:
 DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.

SPECIAL FIRE FIGHTING PROCEDURES:
 FOR LARGER FIRES, USE WATER SPRAY, FOAM OR ALCOHOL FOAM (1984 EMERGENCY
 RESPONSE GUIDEBOOK, DOT P 5800.3).

FIRE FIGHTING:
 STAY AWAY FROM STORAGE TANK ENDS. DO NOT GET WATER INSIDE CONTAINER. COOL
 FIRE-EXPOSED CONTAINERS WITH WATER FROM SIDE UNTIL WELL AFTER FIRE IS OUT.
 FOR MASSIVE FIRE IN STORAGE AREA, USE UNMANNED HOSE HOLDER OR MONITOR
 NOZZLES, ELSE WITHDRAW FROM AREA AND LET FIRE BURN. WITHDRAW IMMEDIATELY
 IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF
 STORAGE TANK DUE TO FIRE (1984 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.3).
 EXTINGUISH ONLY IF FLOW CAN BE STOPPED; USE WATER IN FLOODING AMOUNTS AS
 FOG, SOLID STREAMS MAY NOT BE EFFECTIVE. COOL CONTAINERS WITH FLOODING
 AMOUNTS OF WATER, APPLY FROM AS FAR A DISTANCE AS POSSIBLE. AVOID BREATH-
 ING TOXIC VAPORS, KEEP UPWIND. EVACUATE TO A RADIUS OF 2500 FEET FOR UN-
 CONTROLLABLE FIRES. EVACUATE DOWNWIND FOR LEAKS (BUREAU OF EXPLOSIVES,
 EMERGENCY HANDLING OF HAZARDOUS MATERIALS IN SURFACE TRANSPORTATION, 1981).

FIRE AND EXPLOSION HAZARD:
 DANGEROUS WHEN EXPOSED TO HEAT OR FLAME. VAPORS ARE HEAVIER THAN AIR AND
 MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.
 VAPOR-AIR MIXTURES ARE EXPLOSIVE ABOVE FLASH POINT.
 FORMS EXPLOSIVE PEROXIDES ON STANDING IN AIR.
 AUTOIGNITION TEMP.: NOT AVAILABLE.
 FLAMMABILITY CLASS (OSHA): IS

 * SECTION 4.1 HEALTH HAZARD DATA *

PERMISSIBLE EXPOSURE LIMITS:
 ACGIH TLV: 10 PPM TWA (SKIN)

OSHA-PEL: 25 PPM TWA (SKIN)

MFRS REC: NIOSH RECOMMENDED: 1 PPM -- 15-MINUTE CEILING.

CARCINOGENICITY STATUS (SOURCE):
 INDEFINITE HUMAN CARCINOGEN (IARC); INDEFINITE ANIMAL CAR-
 CINOGEN (IARC)

SL 014929

INTERNAL SAFETY DATA SHEET 1548

TOXIC DATA: SEE OHS OVEREXPOSURE, ETC.
 200 MG/KG ORAL-RAT LD50; 2500 PPM/4 HOURS INHALATION-RAT LCL0; 300 MG/KG
 SUBCUTANEOUS-RAT LCL0; 200 MG/KG ORAL-MOUSE LD50; 500 MG/M3/8 HOURS
 INHALATION-MOUSE LCL0; 1000 MG/KG SUBCUTANEOUS-MOUSE LCL0; 2500 MG/M3/3
 HOURS
 INHALATION-CAT LCL0; 300 MG/KG SUBCUTANEOUS-CAT LCL0; 25 MG/KG
 INTRAVENOUS-RABBIT LD01; MUTAGENIC DATA (RTIC); TERATOGENIC DATA (RTIC);
 CHLOROPRENE IS A MUCOUS MEMBRANE AND EYE IRRITANT, PRIMARY SKIN IRRITANT,
 CENTRAL NERVOUS SYSTEM DEPRESSANT AND MAY BE TOXIC WHEN INGESTED.
 INHALATION: IRRITANT/NARCOTIC. 400 PPM IMMEDIATELY DANGEROUS TO LIFE AND
 HEALTH.

ACUTE EXPOSURE - VAPORS MAY CAUSE IRRITATION OF THE EYES, NOSE, THROAT AND
 RESPIRATORY TRACT. EXPOSURE TO HIGH CONCENTRATIONS MAY CAUSE NARCOSIS,
 ANESTHESIA, PULMONARY EDEMA, RESPIRATORY PARALYSIS AND POSSIBLY DEATH.
 CHRONIC EXPOSURE - REPEATED OR PROLONGED EXPOSURE TO HIGH CONCENTRATIONS
 MAY CAUSE LUNG, LIVER AND KIDNEY DAMAGE, NERVOUSNESS AND IRRITABILITY,
 ANEMIA, HYPOTENSION AND REPRODUCTIVE EFFECTS.

SKIN CONTACT: IRRITANT.
 ACUTE EXPOSURE - MAY CAUSE DERMATITIS AND FOCAL ALOPECIA OF THE SCALP. MAY
 BE ABSORBED TO CAUSE TOXIC EFFECTS.

CHRONIC EXPOSURE - PROLONGED OR REPEATED EXPOSURE MAY CAUSE DERMATITIS.

EYE CONTACT: CORROSIVE.

ACUTE EXPOSURE - MAY CAUSE BLURRED VISION, CONJUNCTIVITIS AND CORNEAL
 NECROSIS.

CHRONIC EXPOSURE - PROLONGED OR REPEATED CONTACT MAY RESULT IN CONJUNCTI-
 VITIS.

INGESTION: IRRITANT/NARCOTIC/TOXIC.

ACUTE EXPOSURE - MAY CAUSE GASTROINTESTINAL IRRITATION, DYSPNEA, HYPOTEN-
 SION, DIZZINESS, NAUSEA, VOMITING, ALBUMINURIA AND DEATH FROM PULMONARY
 EDEMA.

CHRONIC EXPOSURE - REPEATED OR PROLONGED EXPOSURE MAY CAUSE IRRITABILITY,
 NERVOUSNESS, ANOREXIA, ANEMIA, TEMPORARY ALOPECIA, MUSCLE ATONIA, HEMOP-
 TYSIS, NARCOSIS AND LIVER AND KIDNEY DAMAGE.

 * SECTION 4.2 EMERGENCY/FIRST AID PROCEDURE *

INHALATION:
 REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOP-
 PED, GIVE ARTIFICIAL RESPIRATION. MAINTAIN AIRWAY AND BLOOD PRESSURE AND
 ADMINISTER OXYGEN IF AVAILABLE. KEEP AFFECTED PERSON WARM AND AT REST.
 ADMINISTRATION OF OXYGEN SHOULD BE PERFORMED BY QUALIFIED PERSONNEL. GET
 MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:
 WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING
 UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF CHEMICAL REMAINS (APPROXIMATELY
 15-20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT:
 REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH AFFECTED AREA

SL 014930

INTERNAL MATERIAL SAFETY DATA SHEET 1659
WITH 5 OR MILD TO MODERATE AND LARGE AMOUNTS OF WATER UNTIL IN
OF CHEMICAL REMAINS (APPROXIMATELY 15-20 MINUTES). GET MEDICAL ATTENTION
IMMEDIATELY.

INGESTION:

REMOVE BY GASTRIC LAVAGE/EMESIS. MAINTAIN BLOOD PRESSURE & AIRWAY. GIVE
OXYGEN IF RESPIRATION IS DEPRESSED. ~~DO NOT PERFORM GASTRIC LAVAGE OR~~
~~EMESIS IF VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.~~
(DREISBACH, HANDBOOK OF POISONING, 11TH ED.) ADMINISTRATION OF GASTRIC
LAVAGE/OXYGEN SHOULD BE PERFORMED BY QUALIFIED MEDICAL PERSONNEL.

NOTES TO PHYSICIAN (INCLUDING ANTIDOTES)

ANTIDOTE:

NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

* SECTION 5 REACTIVITY DATA *

STABILITY:

NOT LISTED

CONDITIONS TO AVOID:

SEE HTSC.

HAZARDOUS POLYMERIZATION:

MAY OCCUR

CONDITIONS TO AVOID:

MAY SELF-POLYMERIZE IF EXPOSED TO HEAT, LIGHT, PEROXIDES OR
OTHER OXIDIZING MATERIALS.

INCOMPATIBILITY (MATERIALS TO AVOID):

BROMINE TRIFLUORIDE: RAPIDLY ATTACKS BARIUM CHLORIDE; VIOLENT REACTION. C-
FURAN PERCARBOXYLIC ACID: EXPLOSIVE REACTION ON HEATING TO 30-40 C. ORGANIC
MATTER: VIOLENT REACTION. COMBUSTIBLE MATERIAL: VIOLENT REACTION.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION EMITS TOXIC OXIDES OF CARBON AND TOXIC AND CORROSIVE
HYDROCHLORIC ACID.

* SECTION 6 SPILL OR LEAK PROCEDURES *

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

OCCUPATIONAL SPILL:

SHUT OFF IGNITION SOURCES. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. USE
WATER SPRAY TO REDUCE VAPORS. FOR SMALL SPILLS, TAKE UP WITH SAND OR OTHER
ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. FOR
LARGER SPILLS, DIKE FAR AHEAD OF SPILL FOR LATER DISPOSAL. NO SMOKING,
FLAMES OR FLARES IN HAZARD AREA. KEEP UNNECESSARY PEOPLE AWAY; ISOLATE

SL 014931

INTERNAL HAZARD RIAL SAFETY DATA SHEET 1578
HAZARD DATA AND DENSITY.

HAZARD DISPOSAL METHOD:
NONE LISTED.

* SECTION 7.1 SPECIAL PROTECTION *

RESPIRATORY PROTECTION:
400 PPM - SUPPLIED-AIR RESPIRATOR WITH FULL FACEPIECE, HELMET OR HOOD.
SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE.
ESCAPE - GAS MASK WITH AN ORGANIC VAPOR CANISTER (CHIN-STYLE OR FRONT-
OR BACK-MOUNTED CANISTER).
SELF-CONTAINED BREATHING APPARATUS.
FIREFIGHTING - SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE
OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

* SECTION 7.2 SPECIAL PROTECTION DATA *

VENTILATION(TYPE):
PROCESS ENCLOSURE, LOCAL EXHAUST, OR GENERAL DILUTION VENTILATION FOR USE
IN MANUFACTURE OF NEOPRENE ELASTOMERS; USE IN MANUFACTURE OF NEOPRENE LATEX
WHICH MIGHT RETAIN UNPOLYMERIZED CHLOROPRENE.

EYE PROTECTION: GLOVES:
SPLASH-PROOF OR DUST-RESISTANT SAFETY APPROPRIATE
GOGGLES AND A FACESHIELD.

OTHER PROTECTIVE EQUIPMENT:
EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIP-
MENT TO PREVENT ANY POSSIBILITY OF SKIN CONTACT WITH THIS SUBSTANCE. WHERE
THERE IS ANY POSSIBILITY THAT AN EMPLOYEE'S EYES MAY BE EXPOSED TO THIS SUB-
STANCE, AN EYE-WASH FOUNTAIN SHALL BE PROVIDED WITHIN IMMEDIATE WORK AREA.

* SECTION 8.1 SPECIAL PRECAUTIONS *

SPECIAL PRECAUTIONS AND COMMENTS:
NONE LISTED.

* SECTION 8.2 REFERENCES *

REFERENCES:
DATA SUPPLIED BY:
OCCUPATIONAL HEALTH SERVICES, INC.
400 PLAZA DRIVE

SL 014932

INTERNAL MATERIAL SAFETY DATA SHEET 1558

RECAUSE
1-700-171-3973

* SECTION 8.4 MISC INFORMATION *

MISC INFORMATION:
CONDITIONS TO AVOID:
MAY BE IGNITED BY HEAT, SPARKS OR FLAMES. VAPORS MAY TRAVEL TO A SOURCE
OF IGNITION AND FLASH BACK. CONTAINER MAY EXPLODE IN HEAT OF FIRE. VAPOR
EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUNOFF TO SEWER MAY
CREATE FIRE OR EXPLOSION HAZARD.

* UPDATED: MARCH 24, 1995 *

SL 014933