

DOW CHEMICAL COMPANY -- PERCHLOROETHYLENE INDUSTRIAL -- 6810-00-819-1128

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Product Identification
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Product ID:PERCHLOROETHYLENE INDUSTRIAL

MSDS Date:05/01/1991

FSC:6810

NIIN:00-819-1128

MSDS Number: BQQMW

=== Responsible Party ===

Company Name:DOW CHEMICAL COMPANY

Address:1776 DOW BUILDING

City:MIDLAND

State:MI

ZIP:48674-1776

Country:US

Info Phone Num:517-636-4400

Emergency Phone Num:517

-636-4400

CAGE:0BHP4

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:THE DOW CHEMICAL COMPANY

Address:1776 DOW BUILDING

Box:368

City:MIDLAND

State:MI

ZIP:48674-1776

Country:US

Phone:800-258-2436 / 989-636-0773

CAGE:0BHP4

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Composition/Information on Ingredients
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Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLEN

E) (SARA III)
CAS:127-18-4
RTECS #:KX3850000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:25PPM/100,A3 STEL;94
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:LD 50 ORAL RABBIT IS > 5000 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:HEALTH HAZARDS: ACUTE: IRRITATION,
CENT
RAL NERVOUS SYSTEM DEPRESSANT, ANESTHETIC AND NARCOTIC EFFECTS,
ASPIRATION MAY LEAD TO PULMONARY EDEMA. A SINGLE BRIEF INHALATION
AT HIGH CONCENTRATION MAY BE LE THAL. CHRONIC: DERMATITIS, LIVER
AND KIDNEY DAMAGE.
Explanation of Carcinogenicity:NTP, ANTICIPATED CARCINOGEN. IARC, 2B,
SUPECTED CARCINOGEN.
Effects of Overexposure:EYES: SLIGHT IRRITATION, PAIN. SKIN: PROLONGED
CONTACT MAY CAUSE IRRITATION, EVEN BURN, DERMATITIS. INHALATION:
RESPIRATORY TRACT IRRITATION, DIZZI
NESS, NAUSEA, HEADACHE, LOSS OF
COORDINATION AND EQUI LIBRIUM, UNCONSCIOUSNESS AND EVEN DEATH.
INGESTION: IRRITATION OF MOUTH AND GASTROINTESTINAL TRACT,
VOMITING.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF SKIN
AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====

First Aid:EYES/SKIN: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES. INHALATION: REMOVE VICTIM TO FRESH
AIR. GIVE OXYGEN/CPR IF
NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR
IMMEDIATELY. NOTE TO PHYSICIAN: BECAUSE RAPID ABSORPTION MAY
OCCUR THROUGH LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE
DECISION TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:NONE
Upper Limits:NONE
Extingu

ishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE PERSONNEL. VENTILATE AREA. WEAR

RESPIRATOR AND GLOVES. MOP UP, WIPE UP OR SOAK UP IMMEDIATELY AND REMOVE TO OUT DOORS. PLACE IN APPROPRIATE DISPOSAL CONTAINER. WASH AREA WITH PLENTY OF WATER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM HEAT AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:DO NOT USE IN POORLY VENTILATED AREAS WITHOUT PROPER PROTECTION. PERCH LOROETHYLENE VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. DO NOT INGEST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED WITH ADEQUATE VENTILATION. NIOSH/MSHA-APPROVED FULL FACE ORGANIC VAPOR CARTRIDGE OR CANSISTER RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN. LETHAL CONCENTRATIONS MAY EXISTS WITH POOR VENTILATION.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:VITON, PVA. (NITRILE FOR LIMITED USE)

Eye Protection:SPLASHPROOF GOGGLES.

Other Protective Equipment:FOR BRIEF CONTACT CLEAN BODY-COVERING CLOTHING. FOR FREQUENT CONTACT, BOOTS, APRONS, OR FULL BODY SUITS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE.

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== Physical/Chemical Properties =====

HCC:T4

Boiling Pt:B.P. Text:250F,121C

Vapor Pres:13 @ 68F

Vapor Density:5.76

Spec Gravity:1.619 @ 77F

Evaporation Rate & Reference:2.1 (N-BUTYL ACETATE = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID. ETHER-LIKE ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND STRONG ACIDS.

Stability Condition to Avoid:HIGH HEAT, OPEN

FLAMES AND OTHER SOURCES

OF IGNITION

Hazardous Decomposition Products:HYDROGEN CHLORIDE AND POSSIBLE TRACES
OF PHOSGENE AND CHLORINE.

===== Disposal Considerations =====

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL
REGULATIONS. EPA HAZARDOUS WASTE NUMBER U210. MANUFACTURER
RECOMMENDS TO SEND TO LICENSED RECLAIMER OR TO PERMITTED
INCINERATOR.

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