

DOW CHEMICAL U.S.A. -- TETRACHLOROETHYLENE -- 6810-01-099-3435

===== Product Identification =====

Product ID:TETRACHLOROETHYLENE

MSDS Date:02/29/1996

FSC:6810

NIIN:01-099-3435

MSDS Number: BGLSV

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

Address:CHEMICAL AND METALS DEPARTMENT

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:800-258-2436

Emergency Phone Num:517-636-4400

CA

GE:96717

=== Contractor Identification ===

Company Name:AMJAY CORP. DBA AMJAY CHEMICALS

Address:11200 WESTHEIMER SUITE 310

Box:218786

City:HOUSTON

State:TX

ZIP:77218-8786

Country:US

Phone:713-492-2000

CAGE:64184

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

===== Composition/Information on Ingredients =====

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA 313) (CERCLA)

CAS:127-18-4

RTECS #:KX3850000
Fraction by Wt: 99.9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM, Z-2
ACGIH TLV:25PPM/100STEL,A3; 96
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >5000 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:CNS, LIVER, KIDNEYS,
RESPIRATORY SYSTEM. ACUTE- M
AY BE ABSORBED THROUGH SKIN. MAY CAUSE
EYE IRRITATION & PAIN. ASPIRATION HAZARD IF SWALLOWED. EXCESSIVE
INHALATION MAY CAUSE CNS EFFECTS, MYOCARDIAL IRRITABILITY.
CHRONIC- MAY CAUSE LIVER & KIDNEY DAMAGE BASED ON ANIMAL STUDIES.
Explanation of Carcinogenicity:CARCINOGEN PER MSDS.
Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, DROWSINESS, TEARNING, BLURRED VISION, PAIN, IRREGULAR
HEARTBEAT
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EX
ISTING
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS, CNS
MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE
EXPOSURES.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF
SOAP & WATE R. ORAL:DO NOT INDUCE VOMITING. GET MEDICAL ATT
ENTION
IMMEDIATELY.

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

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION
PRODUCTS MAY BE FORMED.
Unusual Fire/Explosion Haz

ard:TOXIC AND CORROSIVE GASES MAY BE FORMED.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.
ABSORB SPILL WITH INERT MATERIAL SUCH AS SAND OR USE PUMP. PLACE IN
A CONTAINER FOR DISPOSAL. CLEAN AREA THOROUGHLY TO REMOVE RESIDUAL
CONTAMINATION. PREVENT RUNOFF FROM ENTERING SEWERS OR WATERWAYS.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY
FROM FLAMES & INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY
CLOSED. DO NOT STORE IN ALUMINUM CAN OR PLASTIC.
Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN
OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR
DRINKING. DO NOT EAT OR DRINK NEAR THIS PRODUCT.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO
NOT MAINTAIN AIRBORNE
CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED
AIR-SUPPLIED RESPIRATOR MUST BE WORN.
Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV
REQUIREMENTS.
Protective Gloves:NEOPRENE
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES
Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health
NOTE TO PHYSICIAN: IN CASE OF INGESTION, GASTRIC LAVAGE MAY BE USED.
THE USE OF AN INTRATRACHEAL TUBE PREVENTS ASPIRATION. INDIVIDUALS
INTOXICATED SHOULD BE HOSPITALIZED FOR OBSERVATION AND DELAYED EF
FECTS ON BLOOD, HEART AND LUNGS. HYDROCARBONS MAY SENSITIZE HEART
TO CATECHOLAMINES.

===== Physical/Chemical Properties =====

HCC:T4
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:250F,121C
Melt/Freeze Pt:M.P/F.P Text:-8F,-22C
Vapor Pres:13 @ 68F
Vapor Densi

ty:5.76

Spec Gravity:1.619

Solubility in Water:0.015 % @ 25C/77F

Appearance and Odor:CLEAR, COLORLESS LIQUID - IRRITATING ODOR

Percent Volatiles by Volume:99.9

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS, STRONG OXIDIZING AGENTS, AMINES, ALUMINUM POWDER,
MAGNESIUM POWDER, ZINC POWDER, SODIUM, POTASSIUM

Stability Condition to Avoid:EXCESSIVE HEAT, OPEN FLAMES, WELDING ARCS,
DIRECT SUNLIGHT, ULTRAVIOLET SOU

RCES

Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, CARBON
MONOXIDE, CARBON DIOXIDE, CHLORINE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. RECYCLE OR CONTRACT WITH A LICENSED WASTE
DISPOSAL AGENCY.

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