

CHEMISPHERE CORPORATION -- #1 PLEXIMENT -- -

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Product Identification
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Product ID:#1 PLEXIMENT

MSDS Date:01/31/1992

5/14/2024: File reviewed, more current MSDS/SDS not available. CAS

FSC:NIIN:Submitter:D DG

Status Code:A

MSDS Number: CKTBL

=== Responsible Party ===

Company Name:CHEMISPHERE CORPORATION

Address:2101 CLIFTON AVENUE

City:ST. LOUIS

State:MO

ZIP:63139

Country:US

Info Phone Num:314-644-1300

Emergency Phone Num:314-644-1300

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO568

=== Contractor Identification ===

Company Name:CHEMISPHERE CORPORATION

Address:2101 CLIFTON AVENUE

Box:City:ST. LOUIS

State:MO

ZIP:63139

Country:US

Phone:314-644-1300

CAGE:TO568

Company Name:PITSCO INC

Address:1002 E ADAMS

City:PITTSBURG

State:KS

ZIP:66762

Country:US

Phone:316-231-0000

Contract Num:MDA414-98-A-0054-0006

CAGE:0FB46

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Composition/Information on Ingredients
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Ingred Name:DICHLOROMETHANE

CAS:75-09-2

RTECS #:PA8050000

= Wt:100.

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:174 MG/M3;50 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYES: MILDLY IRRITATING. INGESTION:

IRRITATION OF THE GASTROINTESTINAL TRACT WITH VOMITING. IF VOMITING RESULTS IN ASPIRATION, CHEMICAL PNEUMONIA COULD FOLLOW. ABSORPTION THRU THE GASTROINTESTINAL TRACT MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION RANGING FROM LIGHT-HEADEDNESS TO UNCONSCIOUS & DEATH. INHALATION :IRRITANT OF MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. CONCENTRATIONS IN SUFFICIENT TO PRODUCE UNCONSCIOUSNESS MAY PRODUCE GASTROINTESTINAL UPSET & MAY PROGRESS TO SERIOUS KIDNEY & LIVER DAMAGE. SKIN: MILDLY IRRITATING. MAY PRODUCE A BURNING SENSATION. RED, DRY, ROUGH SKIN & MAY RESULT IN DERMATITIS.

Explanation of Carcinogenicity:MANUFACTURER STATES ON THE MSDS THAT THIS PRODUCT IS A POTENTIAL CARCINOGEN. (NOTE FROM DLA-HMIS: AFTER A SEARCH, STAFF COULD NOT VERIFY THAT OSHA REGULATED THIS CHEMICAL AS A CARCINOGEN.)

Effects of Overexposure:EYES: MILDLY IRRITATING. INGESTION: IRRITATION OF THE GASTROINTESTINAL TRACT WITH VOMITING. IF VOMITING RESULTS IN ASPIRATION, CHEMICAL PNEUMONIA COULD FOLLOW. ABSORPTION THRU THE GASTROINTESTINAL TRACT MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION RANGING FROM LIGHT-HEADEDNESS TO UNCONSCIOUS & DEATH. INHALATION :IRRITANT OF MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. CONCENTRATIONS IN SUFFICIENT TO PRODUCE UNCONSCIOUSNESS MAY PRODUCE GASTROINTESTINAL UPSET & MAY PROGRESS TO SERIOUS KIDNEY & LIVER DAMAGE. SKIN: MILDLY IRRITATING. MAY PRODUCE A BURNING

SENSATION. RED, DRY, ROUGH SKIN & MAY RESULT IN DERMATITIS.
Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:EYES: FLUSH WITH WATER AT LEAST 15 MIN, HOLD EYELIDS APART. SEE DR. INGEST: DO NOT INDUCE VOMIT. IF MORE THAN TRACE SWALLOW & PATIENT CONSCIOUS WASH OUT MOUTH WITH WATER & GIVE 200-300 ML (HALF PINT) WARM WATER TO DRINK. GET MED ATTN. FOLLOWING INGESTION, ABSORBENT SUCH AS ACTIVATED CHARCOAL MAY BE OF VALUE. GASTRIC LAVAGE MAY BE EFFECT WHEN PERFORMED BY DR WITHIN 4 HOURS. INHALATION: REMOVE TO FR ESH AIR. IF BREATHING STOPPED GIVE MOUTH-TO-MOUTH. IF BREATHING DIFFICULT TRAINED PERSON ADMINISTER OXYGEN. SEE DR IMMED. SKIN: WASH WITH SOAP & WATER. OINTMENT MAY BE APPLIED AFTER THOROUGHLY CLEAN. SEE DR.

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

Flash Point:DECOMPOSES
Extinguishing Media:NO DATA PROVIDED BY RESPONSIBLE PARTY. NON-FLAMMABLE.
Fire Fighting Procedures:NO DATA PROVIDED BY RESPONSIBLE PARTY.
Unusual Fire/Explosion Hazard:NON-FLAMMABLE, NON-EXPLOSIVE. AT HIGH TEMPERATURES, THIS PRODUCT DECOMPOSES TO GIVE OFF HYDROCHLORIC ACID PLUS OTHER TOXIC AND IRRITATING VAPORS SUCH AS PHOSGENE. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER-PRESSURIZATION.

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

Spill Release Procedures:STOP LEAK. LARGE SPILLS: REMOVE WITH VACUUM TRUCK. SMALLER SPILLS: SOAK UP WITH COMPATIBLE ABSORBENT MATERIALS & PLACE IN APPROVED CONTAINER TO AWAIT PROPER TREATMENT OR DISPOSAL. SPILLS ON AREAS OTHE R THAN PAVEMENT, E.G. DIRT OR SAND, MAY BE HANDLED BY REMOVING THE AFFECTED SOILS AND PLACING IN APPROVED CONTAINERS. PERSONS PERFORMING CLEANUP SHOULD WEAR ADEQUATE PROTECTIVE EQUIPMENT & CLOTHING.
Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:UNDER NORMAL CONDITIONS THIS PRODUCT CAN BE STORED IN MILD STEEL WITHOUT INTERIOR LINING. ALUMINUM IS NOT RECOMMENDED FOR STORAGE AND HANDLING. DIKE STORAGE TANKS SEPARATELY TO CONTAIN THE TANK VOLUME . VENT INDOOR TANKS TO AN OUTSIDE LOCATION SO ESCAPING VAPORS WILL NOT CONTAMINATE WORK AREAS.
Other Precautions:KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY SEALED. STORE CONTAINER IN A COOL, DRY VENTILATED PLACE OUT OF DIRECT SUNLIGHT.

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

Respiratory Protection:USE IN WELL-VENTILATED AREAS. WHERE ENGINEERING CONTROLS ARE NOT FEASIBLE, USE ADEQUATE LOCAL EXHAUST VENTILATION. LOCAL EXHAUST VENTIATION SHOULD BE USED WHENEVER MIST, SPRAY OR VAPOR MAY BE GENERATE D. Z117.1-1977 FOR TANK AND CONFINED SPACE ENTRY.
Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION. LOCAL EXHAUST VENTIATION SHOULD BE USED WHENEVER MIST, SPRAY OR VAPOR MAY BE GENERATED.
Protective Gloves:SOLVENT RESISTENT: VITON, POLYVINYL ACOHOL OR EQUIVALENT.
Eye Protection:CHEMICAL SAFETY GOGGLES PLUS FULL FACE SHIELD.
Other Protective Equipment:STANDARD WORK CLOTHING. STANDARD WORK SHOES. EMERGENCY SHOWER AND EYEWASH FACILITIES SHOULD BE IN CLOSE PROXIMITY.
Work Hygienic Practices:USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING OR USING TOILET. WASH CONTAMINATED CLOTHING AND DRY BEFORE REUSE.
Supplemental Safety and Health
DISCARD SHOES THAT CANNOT BE DECONTAMINATED. STORE CONTAMINATED CLOTHING IN WELL VENTILATED CABINETS OR CLOSED CONTAINERS.

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

HCC:T4
Boiling Pt:=-39.4C, 103.F
Spec Gravity:1.3200

Appearance and Odor: CLEAR, COLORLESS LIQUID WITH SLIGHTLY SWEET ODOR.
Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES
ALKALI METALS, PURE OXYGEN, OPEN FLAMES AND WELDING ARCS. PRODUCT SHOULD NOT BE USED IN LONG TERM CONTACT WITH ALUMINUM OR ZINC OR THEIR ALLOYS.
Stability Condition to Avoid: AVOID OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION.
Hazardous Decomposition Products: THERMAL DECOMPOSITION TO IRRITATING AND CORROSIVE HCL FROM SOLVENT VAPOR. STRONG UV LIGHT (ARC WELDING) CAN CAUSE SIGNIFIGANT PHOSGENE TO BE GENERATED.

===== Toxicological Information =====

Toxicological Information: NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Ecological Information =====

Ecological: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Waste Disposal Methods: PACKAGE, STORE, TRANSPORT, AND DISPOSE OF ALL CLEANUP MATERIALS AND CONTAMINATED EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL HEALTH AND ENVIRONMENTAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: US DOT METHYLENE CHLORIDE, ORM-A, UN1593.

===== Regulatory Information =====

SARA Title III Information: NO DATA PROVIDED BY RESPONSIBLE PARTY.
Federal Regulatory Information: NO DATA PROVIDED BY RESPONSIBLE PARTY.
State Regulatory Information: NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Other Information =====

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