

KAISER ALUMINUM AND CHEMICAL CO -- FLUOROCARBON K-12 -- 6830-00-935-9895

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

Product ID:FLUOROCARBON K-12

MSDS Date:11/18/1985

FSC:6830

NIIN:00-935-9895

MSDS Number: BMTXX

=== Responsible Party ===

Company Name:KAISER ALUMINUM AND CHEMICAL CO

Address:RIVER RD

Box:337

City:GRAMERCY

State:LA

ZIP:70052

Country:US

Info Phone Num:504-869-5711

Emergency Phone Num:504-355-1

260

CAGE:4K188

=== Contractor Identification ===

Company Name:KAISER ALUMINUM AND CHEMICAL CO

Address:RIVER RD

Box:337

City:GRAMERCY

State:LA

ZIP:70052

Country:US

Phone:504-355-1260 OR 504-869-5111

CAGE:4K188

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

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)

CAS:75-71-8

RTECS #:PA8200000

Fraction by Wt: 99.9%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ozon

e Depleting Chemical:1

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

LD50 LC50 Mixture:LC 50 ORAL RAT >800,000 MG/KG

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: VAPOR IS HEAVIER THAN AIR
AND CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR
BREATHING. BREATHING HIGH CONCENTRATIONS OF VAPOR MAY CAUSE
LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF B REA

TH, AND MAY LEAD TO

NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

SKIN/EYE: IRRITATION AND FROSTBITE.

Explanation of Carcinogenicity:NOT LISTED AS A CARCINOGEN BY IARC, NTP
OR OSHA.

Effects of Overexposure:LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF
BREATH, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH,
FROSTBITES.

Medical Cond Aggravated by Exposure:PERSONS WITH KNOWN HISTORY OF HEART
DISEASE OR IRREGULARITIES OF HEARTBEAT SHOULD BE PARTICULARY

CAREFUL TO AVOID OVEREXPOSURE.

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

First Aid:INALATION: REMOVE TO FRESH AIR, CALL A PHYSICIAN. IF NOT
BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,
GIVE OXYGEN. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. EYE: FLUSH
WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN:
WASH WITH SOAP AND WATER. IF FROSTBITE, WARM SKIN SLOWLY. GET
MEDICAL ATTENTION.

===== Fire

Fighting Measures =====

Flash Point:NON-FLAMMABLE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. 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

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Spill Release Procedures:VENTILATE AREA. KEEP UPWIND, EVACUATE ENCLOSED SPACE. DISPERSE GAS WITH FLOOR-LEVEL FORCED AIR VENTILATION OR WATER SPRAY. DO NOT SMOKE. REMOVE FLAMES, HEATING ELEMENTS, GAS ENGINES, ETC.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A CLEAN, COOL, DRY AND WELL-VENTILATED AREA OF LOW FIRE RISK. PROTECT CONTAINERS FROM PHYSICAL DAMAGE AND KEEP TIGHTLY CLOSED.
Other Precautions:AVOID BREATHING VAPOR, LIQUID CONTACT WITH EYES, SKIN OR CLOTHING. DO NOT DROP, REUSE, OR REFILL CONTAINER. DO NOT STORE NEAR HEAT OR IN DIRECT SUN. KEEP CONTAINERS BELOW 120 F. READ LABEL BEFORE USE.

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

Respiratory Protection:NONE REQUIRED FOR ADEQUATELY VENTED WORK SITUATIONS. FOR ACCIDENTAL OR NON-VENTILATED SITUATIONS, USE A SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR RESPIRATOR, APPROVED BY NIOSH.
Ventilation:PROVIDE LOCAL AND MECHANICAL EXHAUST WHEN USED.
Protective Gloves:SYNTHETIC INSULATED RUBBER GLOVE
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:USE IMPERVIOUS CLOTHING TO PROTECT EXPOSED SKIN FROM LIQUID CONTACT.
Work Hygienic Practices:DO NOT SMOKE IN AREA WHILE PRODUCT IS IN USE.
Supplemental Safety and Health
NONE

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

HCC:G3
Boiling Pt:B.P. Text:-22 F,-30C
Vapor Pres:2980 MM60F
Vapor Density:4.17
Spec Gravity:1.325
Evaporation Rate & Reference:GAS
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS LIQUIFIED GAS WITH FAINT, ETHEREAL ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
MAGNESIUM
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURE

RATURES (OPEN
FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROCHLORIC AND
HYDROFLUORIC ACIDS.

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

Waste Disposal Methods: BEST TO RECYCLE OR RECLAIM, IF POSSIBLE. MAY BE
INCINERATED IN OIL-FIRED FURNACE, BUT TOXIC AND CORROSIVE
COMBUSTION GASES MUST BE HANDLED. CONSULT FEDERAL, STATE, OR LOCAL
AUTHORITIES FOR PROPER DISPOSAL PROCEDURES.

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