

MATHESON GAS PRODUCTS INC -- CARBON DIOXIDE,GAS -- 6830-00-281-3053

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

Product ID:CARBON DIOXIDE,GAS

MSDS Date:06/30/1994

FSC:6830

NIIN:00-281-3053

MSDS Number: BMWHG

=== Responsible Party ===

Company Name:MATHESON GAS PRODUCTS INC

Address:30 SEAVIEW DR

Box:1587

City:SECACUS

State:NJ

ZIP:07094-1882

Country:US

Info Phone Num:201-867-4100

Emergency Phone Num:800-424-9

300 (CHEMTREC)

CAGE:0NPS5

=== Contractor Identification ===

Company Name:CENTRAL SCIENTIFIC CO (FORMERLY IN FRANKLIN PARK, IL.)

Address:8315 LEE HWY

Box:City:FAIRFAX

State:VA

ZIP:22031

Country:US

Phone:800-621-4778

CAGE:11273

Company Name:MATHESON GAS PRODUCTS INC

Address:30 SEAVIEW DR

Box:1587

City:SECACUS

State:NJ

ZIP:07094-1882

Country:US

Phone:800-424-9300 (CHEMTREC)

CAGE:0NPS5

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

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTEC

S #:FF6400000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;96

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:RING IN EARS,NAU,IRREG
HEARTBEAT,HI BLOOD
PRESSURE,HEAD,WEAK,DROW,DIZZ,CONFUS,RESTLESSNESS,SLEEPLESNESS,T
INGL
SENS,TWITCH,INTOLERANCE OF EYES TO LIGHT,VISUAL
DISTURB,SUFFOCATION,CONVUL,UNCONSC,C OMA.MAY ALSO CAUSE
REPRODUCTIVE
EFFECTS.SKIN:BLISTERS,FROSTBITE,NUMBNESS.EYE:IRRIT,FROSTBITE,BLUR
VIS.INGEST:FROSTBITE.
Explanation of Carcinogenicity:PER MSDS:CARCINOGEN
STATUS:OSHA/NTP/IARC:NO.
Effects of Overexposure:SEE HEALTH HAZARDS ABOVE.
Medical Cond Aggravated by Exposure:PERSONS W/HISTORY OF CARDIOVASCULAR
OR PULMONARY IMPAIRMENT. TARGET EFFECTS:SIMPLE ASPHYXIAN.T POISON
ING
MAY AFFECT RESP & NERVOUS SYSTEMS & HEART.

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

First Aid:INHAL:REMOVE FRM EXPO TO FRESH AIR IMMED.PERFORM ART RESP IF
NECESSARY.TREAT SYMPT/SUPP.GET MED ATTN IMMED.QUAL MED PERSON
SHOULD CONSIDER ADMIN OXY.SKIN:UNLIKELY EMERG TREAT
REQUIRED.ADVERSE EFFECTS OCCUR GET MED ATT.FROSTBITE/FREEZE/CRYOG
BURN OCCUR WARM IN WARM WATER @TEMP 107F/USE BLANKETS.EXERCISE
AFFECTED PART.EYE:UNLIKELY EMERG TREAT REQU
IRED.CONTACT W/LIQ/GAS
WASH W/LG ATM SOF WATER(SUPPL)

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

Flash Point:N/AVAILABLE
Autoignition Temp:Autoignition Temp Text:N/DATA
Lower Limits:NO DATA
Upper Limits:NO DATA
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE,LF FIRE:USE WATER
SPRAY,FOG OR REGULAR FOAM.
Fire Fighting Procedures:MOVE CNTNR FRM FIRE W/O RISK.COOL FIRE EXPO
CNTNR SIDE W/WATER TIL AFT FIRE OUT.STAY AWAY FRM TK END.ISOLATE
1/2MI ALL DIRECTI

ONS IF TK/RAILCAR/(FIRE/EXPLO HAZ)
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO
HEAT/FLAME.FIREFIGHT:TANK TRUCK IN FIRE.WATERSPRAY TO ABSORB
VAP.AVOID BREATH VAP;KEEP UPWIND.

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

Spill Release Procedures:DO NOT TOUCH SPILLED MATL.STOP LEAK W/O
RISK.KEEP UNNECESSARY PEOPLE
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Hand
ling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE
MATERIALS.
Other Precautions:PROTECT FROM PHYSICAL DAMAGE.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE SELF-CONTAINED
BREATHING APPARATUS IF IDLH CONDITIONS ARE PRESENT OR SUSPECTED.
Ventilation:USE ADEQUATE MECHANICAL VENTILATION.
Protective Gloves:NONE NORMALLY REQUIRED.
Eye Protection:SAFETY GLASSES
Other Protective Equipment:CLOTHING TO PREVENT REPEAT
ED OR PROLONGED
CONTACT.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING.
Supplemental Safety and Health

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

HCC:G3
Boiling Pt:B.P. Text:-109F,-78C
Melt/Freeze Pt:M.P/F.P Text:-71F,-57C
Decomp Temp:Decomp Text:NP
Vapor Pres:43700 @21C
Vapor Density:1.5
Spec Gravity:1.522 221C
pH:SUPPLE
Viscosity:NP
Solubility in Water:SOLUBLE.
Appearance and Odor:COLORLESS, ODORLESS GAS W/SLIGHT ACIDIC

TASTE.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
ACROLEIN,BAO2,CEO,DIETHYL MAGNESIUM,HYDRAZINE,ETHYLENEEIMINE,METAL
HYDRIDES/ACETYLIDES,METALS,K,K-NA ALLOY,NA2O2.
Stability Condition to Avoid:DO NOT PERMIT PHYS DMG OR OVERHEATING OF
CNTNRS.CONTENTS UNDER PRESSRUE,MAY RUPTURE VIOL/TRAVEL CONSIDERABLE
(SUPPLEMEN)
Hazardous Decomposition Products:TEMPERATURES ABOVE 17
00C MAY CAUSE
DECOMPOSITION & RELEASE OF OXYGEN & HIGHLY TOXIC CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITHLOCAL, STATE AND
FEDERAL REGULATIONS.

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