

MG INDUSTRIES -- CARBON ACID GAS, CARBON DIOXIDE -- 6830-00-292-0142

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Product Identification  
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Product ID:CARBON ACID GAS, CARBON DIOXIDE

MSDS Date:06/30/1994

FSC:6830

NIIN:00-292-0142

MSDS Number: CCJSZ

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:2100 COMMERCE RD

City:RICHMOND

State:VA

ZIP:23234

Country:US

Info Phone Num:804-231-1191

Emergency Phone Num:804-231-1191

CAG

E:8D945

=== Contractor Identification ===

Company Name:MG INDUSTRIES

Address:2100 COMMERCE RD

Box:City:RICHMOND

State:VA

ZIP:23234

Country:US

Phone:804-231-1191

CAGE:8D945

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Composition/Information on Ingredients  
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Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 100% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;96

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Hazards Identification  
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LD50 LC50 Mixture:9 PP

H/5 MINUTES INHALATION HUMAN LCLO

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

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

Health Hazards Acute and Chronic:SIMPLE ASPHYXIANT. INHALATION MAY CAUSE ACIDIC TASTE, DYSPNEA, HEADACHE, VERTIGO, NAUSEA, LABORED BREATHING, WEAKNESS, DROWSINESS, MENTAL CONFUSION, INCREASE IN BLOOD PRESSURE, VISUAL DISTURBANCES. TISSUE CONTACT MAY CAUSE FROSTBITE.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT

CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:ACIDIC TASTE, DYSPNEA, HEADACHE, VERTIGO, NAUSEA, LABORED BREATHING, WEAKNESS, DROWSINESS, MENTAL CONFUSION, INCREASE IN BLOOD PRESSURE, VISUAL DISTURBANCES, REDNESS/TINGLING/PAIN/NUMBNESS OF EXPOSED TISSUE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: GET MEDICAL ATTENTION. WARM AFFECTED AREA IN WARM WATER (107F) OR WRAP AFFECTED PARTS IN BLANKETS. ENCOURAGE PERSON TO EXERCISE AFFECTED PART WHILE IT IS BEING WARMED. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: UNLIKELY ROUTE OF EXPOSURE. GET MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF CAN DO SO WITHOUT RISK. APPLY COOLING WATER TO CONTAINER. STAY AWAY FROM ENDS OF TANKS. ISOLATE FOR 1/2 MILE.

Unusual Fire/Explosion Hazard:USE WATER SPRAY TO ABSORB VAPORS. AVOID BREATHING VAPORS. KEEP UPWIND. CONSIDER EVACUATION OF DOWNWIND AREA IF MATERIAL IS LEAKING.

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

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Spill Release Procedures:SPILL UNLIKELY TO OCCUR. IF LEAK OCCURS,  
VENTILATE AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT PERMIT PHYSICAL DAMAGE OR  
OVERHEATING OF CONTAINERS. CONTENTS ARE UNDER PRESSURE. CONTAINERS  
MAY RUPTURE VIOLENTLY AND TRAVEL LONG DISTANCES.

Other Precautions:CONTACT OF LIQUIFIED GASES WITH WATER MAY CAUSE  
VIOLENT EXPLOSIONS DUE TO RAPID TEMPERATURE FLUCTUATIONS.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATION  
EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT  
OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN  
ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS  
REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:RECOMMENDED BUT NOT REQUIRED

Eye Protection:NOT REQUIRED BUT ADVISABLE.

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO  
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE  
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER  
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:G3

Boiling Point

t:B.P. Text:-109F,-78C

Melt/Freeze Pt:M.P/F.P Text:-71F,-57C

Decomp Temp:Decomp Text:3092F,1700C

Vapor Pressure:43700

Vapor Density:1.5

Spec Gravity:GAS

pH:< 7

Evaporation Rate & Reference:GAS

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS GAS, NO ODOR, SLIGHT ACIDIC TASTE

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

ACRYLALDEHYDE, BARIUM PEROXIDE, CESIUM OXIDE, DIETHYL MAGNESIUM,

METALS, POTASSIUM, SODIUM PEROXIDE, HYDRAZINE  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:OXYGEN, CARBON MONOXIDE

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

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS  
WHEN DISPOSING OF THIS SUBSTANCE.

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