

SUPERIOR GAS & EQUIPMENT CO INC -- CARBON DIOXIDE (CO\*2): TECHNICAL -- 8120-00-268-3362

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

Product ID:CARBON DIOXIDE (CO\*2): TECHNICAL  
MSDS Date:08/09/1991  
FSC:8120  
NIIN:00-268-3362  
MSDS Number: BPXWV  
=== Responsible Party ===  
Company Name:SUPERIOR GAS & EQUIPMENT CO INC  
Address:6 J TIOSEJO ST  
City:MANDALUYONG, METRO MANILA, PHILIPPINES  
Info Phone Num:78-49-86 TO 91

Emergency Phone Num:78-49-86 TO 91  
Preparer's Name:HESTITUTO T. CHAVEZ  
CAGE:SGASE  
=== Contractor Identification ===  
Company Name:SUPERIOR GAS & EQUIPMENT CO INC  
Address:6 J TIOSEJO ST  
Box:City:MANDALUYONG, METRO MANILA, PHILIPPINES  
Phone:78-49-86 TO 91  
CAGE:SGASE

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

Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

===== Hazards Identification =====  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HIGH CONCENTRATIONS ARE DANGEROUS DUE  
TO THEIR EFFECT IN DILUTION OR DEPLETING OXYGEN CONTENT OF AIR.  
AVOID CONTACT IN SKIN/EYES WITH LIQUID CO\*2 WHICH WILL RESULT IN  
FROSTBITE.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HIGH CONCENTRATIONS WILL RESULT IN

ASPHYXIATION. FROSTBITE WILL RESULT IN SKIN & EYES IN CONTACT WITH LIQUID CARBON DIOXIDE.

Medical Cond Aggravated by Exposure:WE HAVE NO DATA AVAILABLE.

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

First Aid:INHAL: REMOVE PERSON @ ONCE TO UNCONTAMINATED AREA, APPLY ARTF RESP IMMED IF BREATHING CEASED & CALL PHYS. INGEST: CALL MD IMMED . SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD . EYES : IMMED FLUSH WITH POTABLE WATER FOR A MINIMUM OF 15 MIN, SEEK ASSISTANCE FROM MD .

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

Flash Point:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . NON-FLAMMABLE LIQUIFIED COMPRESSED GAS. KEEP AWAY FROM SOURCES OF HEAT.  
Unusual Fire/Explosion Hazard:KEEP AWAY FROM SOURCES OF HEAT.

===== Accidental Release Measures =====  
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Spill Release Procedures:CONTAMINATED AREAS SHOULD BE EVACUATED & DILUTED W/ATMOSPHERIC AIR BY OPENING WINDOWS/OPERATING EXHAUST BLOWERS/VENTILATION FAN. AVOID CONTACT W/LIQUID CARBON DIOXIDE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN WELL VENTILATED AREA AND AWAY FROM SOURCES OF HEAT.  
Other Precautions:APPROPRIATE WARNING SIGNS OUTSIDE OF AREAS WHERE HIGH CONCENTRATIONS OF CARBON DIOXIDE GAS MAY OCCUR SHOULD BE AFFIXED. AVOID CONTACT WITH LIQUID CARBON DIOXIDE.

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

Respiratory Protection:NIOSH/MSHA APPROVED GAS MASKS (SELF-CONTAINED TYPE OR WITH OUTSIDE CLEAN AIR SOURCE).  
Ventilation:LOCAL EXHAUST: ATMOSPHERIC VENTILATION. MECH(GEN): AIR BLOWER/FAN.  
Protective Gloves:HEAVY GLOVES.  
Eye Protection:CHEM WORK GOG & FULL LENGTH FSHLD.  
Other Protective Equipment:USE RUB

BER BOOTS OR SAFETY SHOES.

Work Hygienic Practices:TAKE SHOWER OR WASH HANDS BEFORE EATING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Boiling Pt:B.P. Text:-109F,-79C

Melt/Freeze Pt:M.P/F.P Text:-70F,-57C

Vapor Pres:838PSIG

Vapor Density:1.529

Spec Gravity:1.101(H\*2O=1)

Solubility in Water:0.169%@68F

Appearance and Odor:COLORLESS; NO OBJECTIONABLE ODOR; LIQUID FOAM.

===== Stability and Reacti  
vity Data =====

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:TEMPERATURES ABOVE 120F; DROPPING OF  
CONTAINER.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:BRING OUT TO OPEN SPACE DEFECTIVE CONTAINER &  
RELEASE CONTENTS. DISPOSE OF ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS .

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