View NSN Online: https://aerobasegroup.com/nsn/4220-01-077-8773

Product ID:CARBON DIOXIDE, GAS MSDS Date:08/04/1989 FSC:4220 NIIN:01-077-8773 MSDS Number: BWSVJ === Responsible Party === Company Name: AIRCO INC, AIRCO INDUSTRIAL GASES DIV. Address:575 MOUNTAIN AVE City:MURRAY HILL State:NJ ZIP:07974-2006 Country:US Info Phone Num:908-464-8100 Em ergency Phone Num:800-424-9300 (CHEMTREC) CAGE:00741 === Contractor Identification === Company Name: AIRCO INC, AIRCO INDUSTRIAL GASES DIV. Address:575 MOUNTAIN AVE Box:City:MURRAY HILL State:NJ ZIP:07974-2006 Country:US Phone:800-424-9300(CHEMTREC) CAGE:00741 Company Name: JEFFERSON METALS STAMPING CO. Address:4400 GUSTINE AVE Box:City:ST LOUIS State:MO ZIP:53116-1712 Country:US CAGE:0ZGE6

Ingred Name:CARBON DIOXIDE CAS:124-38

-9 RTECS #:FF6400000 Fraction by Wt: 100% Other REC Limits:5000PPM(TWA) OSHA PEL:5000 PPM ACGIH TLV:5000PPM/30000STEL;95

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LOW CONCENTRATIONS (3M TO 5M) CAUSE
INCREASED RESPIRATION & HEADACHE. 8M TO 15M CONCENTRATIONS CAUSE
HEADACHE, NAUSEA & VOMITING, LEADING TO UNCONSCIOUSNESS IF
NOT
MOVED TO OPEN AIR OR GIVEN OXYGEN. H IGHER CONCENTRATIONS CAUSE
RAPID CIRCULATORY INSUFFICIENCY LEADING TO COMA & DEATH. MAINTAIN
OXYGEN LEVELS ABOVE 19.5%.
Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS
BUT NO OTHER COMMENTS WERE RECORDED.
Effects of Overexposure:INCREASED RESPIRATION, HEADACHE, NAUSEA,
VOMITING, UNCONSCIOUSNESS. HIGHER CONCENTRATIONS:RAPID CIRCULATORY

INSUFFICIENCY LEADING TO COMA & DEATH.

Medical Cond Aggravated by Exposure :MFR GAVE NO INFORMATION ON MSDS.

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE OF CARBON DIOXIDE. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. CONSCIOUS PERSONS SHOULD BE ESCORTED FROM THE CONTAMIN ATED AREA & INHALE FRESH AIR. UNSCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN MOUTH TO MOUTH & SUPPLEMENTAL OXYGEN. TREAT AREAS EXPOSED TO LIQ UID AS FROSTBITE.

Lower Limits:NONE Upper Limits:NONE Extinguishing Media:USE EXTINGUISHING MEDIA SUITABLE FOR THE COMBUSTIBLE MATERIALS INVOLVED IN THE FIRE. Fire Fighting Procedures:MFR GAVE NO INFORMATION ON MSDS. Unusual Fire/Explosion Hazard:MFR GAVE NO INFORMATION ON MSDS.

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE

APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USERS EQUIPMENT, PURGE BEFORE REPAIR. IF LEAK IS IN CONTAINER OR VALVE, CALL CHEMTREC OR YOUR CLOSEST AIR CO LOCATION FOR EMERGENCY ASSISTANCE. Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

Handling and Storage Precautions: USE ONLY IN WELL-VENTILATED AREAS. KEEP VALVE PROTECTION CAPS IN PLACE UNLESS PROPERLY SECURED & CONNECTED TO PIPING. DO NOT ROLL, SLIDE,

DRAG CYLINDERS

Other Precautions:USE A SUITABLE HANDTRUCK WHEN MOVING CYLINDERS. USE PRESSURE REDUCING REGULATOR OR PIPING RATED >3000 PSI. DO NOT HEAT CYLINDER. USE CHECK VALVE OR TRAP IN DISCHARGE LINE TO PREVENT BACK FLOW. PROTECT CYLINDERS FROM DAMAGE. SEE SUPP DATA.

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:LOCAL EXHAUST TO PREVENT ACCUMULATION ABOVE TWA. ENSURE ADEQUATE VENTILATION.

Protective Gloves: PROTECTIVE GLOVES OF ANY MATERIAL

Eye Protection:SAFETY GOGGLES OR GLASSES

Other Protective Equipment: SAFETY SHOES

Work Hygienic Practices:MFR: ? HMIS:FOLLOW ALL GUIDELINES RECOMMENDED BY THE COMPRESSED GAS ASSOCIATION. USE GOOD INDUSTRIAL HYGIENE PROCEDURES

Supplemental Safety and Health

STORE IN A COOL WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS & EMERGENCY E

XITS. DO NOT ALLOW TEMPERATURES TO EXCEED 130F. STORE UPRIGHT & SECURED FROM FALLING. SEGREGATE FULL & EMPTY CYLIND ERS. DRY CARBON DIOXIDE CAN BE HANDLED IN MOST MATERIALS. MOIST CARBON DIOXIDE IS CORROSIVE. USE APPROPRIATE ALLOYS.

HCC:G3 NRC/State Lic Num:NONE Boiling Pt:B.P. Text:-109F,-79C Vapor Pres:856 PSIA Vapor Density:1.65 Solubility in Water:VERY SOLUBLE Appearance and Odor:COLORLESS,ODORLESS GAS. WATER

## WHITE LIQUID.

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS (MG, AL), HYDRIDES. MOIST CESIUM OXIDE OR LITHIUM

ACETYL MAY IGNITE. SODIUM PEROXIDE MAY EXPLODE.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:SHOCK SENSITIVE MIXTURES MAY FORM WHEN DRY ICE IS MIXED W/POTASSIUM OR SODIUM-POTASSIUM ALLOY. Conditions to Avoid Polymerization:WILL NOT OCCUR.

====== Disposal Consid

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN ORIGIONAL CONTAINER, PROPERLY LABELED, W/VALVE OUTLET PLUGS & PROTECTIVE CAPS IN PLACE, TO AIRCO FOR PROPER DISPOSAL.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants thi s information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.