

METALCRAFT INC -- CARBON DIOXIDE (CO2) -- 4210-01-419-5562

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

Product ID:CARBON DIOXIDE (CO2)

MSDS Date:09/01/1999

FSC:4210

NIIN:01-419-5562

Status Code:A

MSDS Number: CKCSX

=== Responsible Party ===

Company Name:METALCRAFT INC

Address:9331-A PHILADELPHIA ROAD

City:BALTIMORE

State:MD

ZIP:21237

Country:US

Info Phone Num:410-485-0880

Emergency Phone Num:800-457-4280

Chemtrec Ind/Phone:(800)424-9300

CAGE:06535

=== Contractor Identification ===

Company Name:METALCRAFT INC

Address:9331 PHILADELPHIA ROAD

Box:City:BALTIMORE

State:MD

ZIP:21237

Country:US

Phone:410-687-5500

Contract Num:SP0560-99-M-H082

CAGE:06535

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

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

OSHA PEL:9000 MG/M3;5000 PPM

ACGIH TLV:9000 MG/M3;5000 PPM

ACGIH STEL:54000 MG/M3

=====  
Hazards Identificat

ion =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:DIRECT CONTACT WITH LIQUID OR SOLID  
WILL CAUSE BURNS, FROSTBITE, OR BLINDNESS. ASPHYXIANT (DISPLACES  
OXYGEN). EXPOSURE TO HIGH CONCENTRATIONS CAN PARALYZE THE  
RESPIRATORY CENTER. INCREASED INHALATION WILL CAUSE INCREASED  
BREATHING RATE. UNCONSCIOUSNESS AND DEATH MAY RESULT.  
Effects of Overexposure:BURNS, FROSTBI  
TE, BLINDNESS, INCREASED  
BREATHING RATE, UNCONSCIOUSNESS AND DEATH.  
Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:TREAT AREA EXPOSED TO SOLID OR LIQUID AS FROSTBITE. CONSULT A  
PHYSICIAN. MOVE TO AN AREA WITH FRESH AIR AND OXYGEN.

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

Extinguishing Media:NONE. THIS MATERIAL IS AN EXTINGUISHING AGENT.  
Fire Fighting Procedures:NONE  
Unusual Fire  
/Explosion Hazard:NONE

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

Spill Release Procedures:RELEASED GAS WILL DISSIPATE RAPIDLY AND  
HARMLESSLY TO ATMOSPHERE, IN OPEN AREAS. FOR CONFINED AREAS, MOVE  
ALL PERSONNEL AND VENTILATE AREA. VENT TO ATMOSPHERE IN OPEN AREA.

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

Handling and Storage Precautions:STORE AWAY FROM DIRECT HEAT OR FLAME.  
Other Precautions:NONE.

===== Exposure Controls/Pe  
rsonal Protection =====

Respiratory Protection:USE SELF-CONTAINED BREATHING APPARATUS OR  
AIRLINE RESPIRATORS WHEN CO2 HAS BEEN RELEASED AND HAS DIMINISHED  
THE OXYGEN CONTENT BELOW 19%.

Ventilation:LOCAL EXHAUST: RECOMMENDED MECHANICAL: RECOMMENDED.

Protective Gloves:USE INSULATED GLOVES WHEN HANDLING AS A LIQUID OR  
SOLID

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE REQUIRED.

Work Hygienic Practices:USE GOOD HYGIENE AND GOOD HOUSEKEEPING  
PRACTICES.

Suppl

emental Safety and Health

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

HCC:G3

Boiling Pt:=-78.3C, -109.F

Vapor Pres:70F

Vapor Density:1.52

Evaporation Rate & Reference:HIGH

Solubility in Water:0.8 V/V

Appearance and Odor:COLORLESS LIQUID OR GAS. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:CARBON DIOXIDE: OSHA PEL: 5000PPM. ACGIH TLV:  
5000PPM.

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

Waste Disposal Methods:HMIS: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE  
& FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:PROPER SHIPPING NAME IS MARKINGS. NSN IS FOR FIRE  
EXTINGUISHER, BUT ITEM IS MARKED AS: CARBON DIOXIDE,2.2,UN1013.

LABEL: NON-FL

AMMABLE.

===== Other Information =====

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 this 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 resp

onsibility for the suitability of this information to their particular situation.