

## **MIL-C-601 CARBON DIOXIDE CYLINDER**

### **MSDS Number**

BJXXN

### **National Stock Number**

4220-00-274-5818

### **Product Name**

MIL-C-601 CARBON DIOXIDE CYLINDER

### **Manufacturer**

SPARKLET DEVICES INC

### **Product Identification**

Product ID:MIL-C-601 CARBON DIOXIDE CYLINDER

MSDS Date:04/01/1986

FSC:4220

NIIN:00-274-5818

MSDS Number: BJXXN

### **Responsible Party**

SPARKLET DEVICES INC

4400 GUSTINE AVE

ST LOUIS , MO 63116-1712

US

Emergency Phone: 314-353-0400

Info Phone: 314-353-0400

Cage: 87286

### **Contractor**

SPARKLET DEVICES INC

ST LOUIS, MO 63116-1712

US

314-353-0400

Cage: 87286

### **Ingredients**

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight: 100%

OSHA PEL5000 PPM

ACGIH TLV: 5000PPM/30000STEL;93

### **Hazards**

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

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

Health Hazards Acute and Chronic:CARBONDIOXIDE IS AN ASPHIXIANT. AS A LIQUID OR SOLID, ITS HIGH RATE OF EVAPORATION CREATES AN INTENSE COOLING OF THE BODY TISSUE CONTACTED WHICH RESULTS IN FROSTBITE.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

Effects of Overexposure:CONTACT:FROSTBITE AND FREEZE BURNS.

INHALED:HEADACHE, DIZZINESS SHORTNESS OF BREATH AND OTHER SYMPTOMS

OF OXYGEN STARVATION. HIGH CONCENTRATIONS PRODUCE A SLIGHT ACID TASTE AND MAY PARALYSE THE BREATHING CONTROL CENTER.  
Medical Condition Aggravated by Exposure: OVEREXPOSURE MAY AGGRAVATE SOME PULMONARY CONDITIONS.

## First Aid

First Aid: CONTACT: RINSE WITH WARM WATER 15 MINUTES. GET MEDICAL ASSISTANCE IF ANY SYMPTOMS OF FROSTBITE OR FREEZING APPEAR.  
INHALED: REMOVE FROM EXPOSURE. RESTORE BREATHING. BE CAUTIOUS ENTERING CLOSED AREAS AS IN A RESCUE EFFORT IF WITHOUT A SUPPLIED AIR BREATHING APPARATUS.

## Fire Fighting

Flash Point: NON-FLAMMABLE  
Extinguishing Media: PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.  
Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard: NONE

## Accidental Release

Spill Release Procedures: PLACE LEAKING CYLINDERS OUTSIDE OR WHERE LEAK IS EXHAUSTED BY LOCAL EXHAUST.  
Neutralizing Agent: NONE

## Handling

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.  
Other Precautions: USE A SAFETY LINE, A STAND-BY WORKER AND A SUPPLIED AIR RESPIRATOR WHEN ENTERING AREAS OF SUSPECTED OR KNOWN HIGH CONCENTRATION.

## Exposure Controls

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.  
Ventilation: GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE. USE LOCAL EXHAUST IF NECESSARY TO CONTROL EXPOSURE BELOW PEL/TLV.  
Protective Gloves: THERMAL PROTECTION IF CONTACT POSSIBLE  
Eye Protection: SAFETY GLASSES OR GOGGLES (NO CONTACTS!)  
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID CONTACT WHENEVER POSSIBLE.  
Supplemental Safety and Health  
NONE

## Chemical Properties

HCC: G3  
Boiling Pt: B.P. Text: -109F, -78C  
Vapor Pres: 1 ATM  
Vapor Density: 1.5  
Solubility in Water: 90 ML/100 ML @ 1 ATM  
Appearance and Odor: CLEAR COLORLESS GAS OR CLEAR COLORLESS HIGHLY VOLATILE LIQUID, NO ODOR  
Percent Volatiles by Volume: 100

## Stability

Stability Indicator/Materials to Avoid: YES  
ALKALI AND ACTIVE METALS  
Stability Condition to Avoid: NONE GIVEN BY MANUFACTURER (SUPPLIER).  
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE

## Disposal

Waste Disposal Methods:ALLOW TO DISSIPATE IN A MANNER THAT THE CARBON DIOXIDE WILL NOT BE SUFFICIENTLY CONCENTRATED TO ENDANGER PERSONNEL OR LIVESTOCK.

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