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SPARKLET DEVICES INC -- CARBON DIOXIDE -- 4220-00-543-6693

Product ID:CARBON DIOXIDE

MSDS Date:04/01/1986

FSC:4220

NIIN:00-543-6693 MSDS Number: BKJLL === Responsible Party ===

Company Name: SPARKLET DEVICES INC

Address:4400 GUSTINE AVE

City:ST LOUIS

State:MO

ZIP:63116-1712 Country:US CAGE:87286

=== Contractor Identification ===

Company Name: JEFFERSON METALS STAM

PING CO.

Address:4400 GUSTINE AVE

Box:City:ST LOUIS

State:MO

ZIP:53116-1712

Country:US CAGE:0ZGE6

Company Name: SDI INC. (314-353-0400)

Box:UNKNOW CAGE:0XMLI

Company Name: SPARKLET DEVICES INC

Address:4400 GUSTINE AVE

Box:City:ST LOUIS

State:MO

ZIP:63116-1712

Country:US

Phone:314-353-0400

CAGE:87286

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

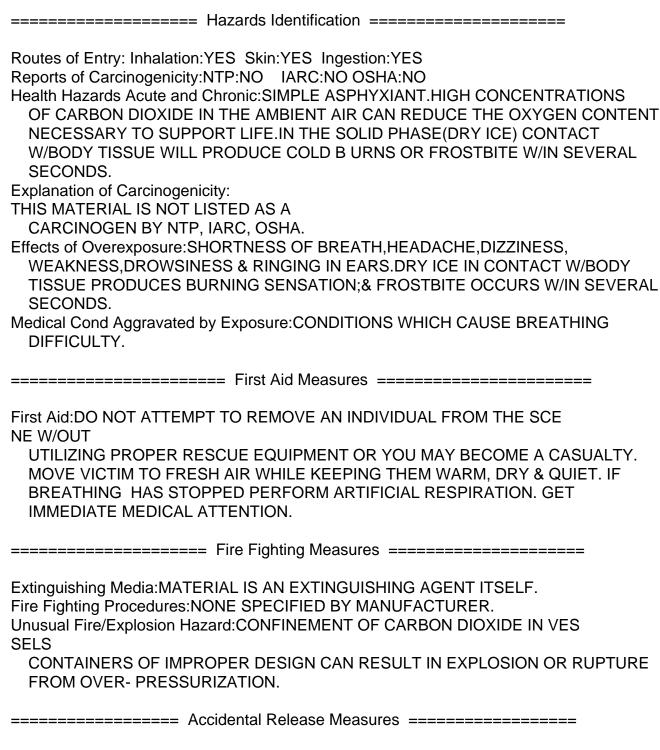
Ingred Name: CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000 Fraction by Wt: 100% OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

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Spill Release Procedures:EVACUATE THE AREA OF THE SPILL OR RELEASE, EMPLOY EMERGENCY FIRST AID PROCEDURES, PROVIDE PLENTY OF FRESH AIR.REMOV DRY ICE RESIDUAL & ALLOW TO SUBLIME IN A SECURED, WELL-VENTILATED AREA & CONTACT THE MANUFACTURER'S SAFETY DEPARTMENT.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ===========
Handling and Storage Precautions:LIQUID & VAPOR STORAGE CONTAINERS ARE UNDER HIGH PRESSURE.DO NOT MIS-HANDLE OR ABUSE,CNTS.USE ONLY EQUIPMENT DESIGNED FOR CARBON DIOXIDE. Other Precautions:AVOID DIRECT SKIN CONTACT WITH DRY ICE OR VENTING CARBON DIOXIDE LIQ OR VAPOR.USE PROTECTIVE EQUIP & CLOTHING AND GET PROPER TRAINING BEFORE HANDLING CARBON DIOXIDE IN CYLINDERS.
====== Exposure Controls/Personal Pr otection ========
Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS - USE IN STRICT ACCORDANCE W/THE MANUFACTURER'S RECOMMENDATIONS. Ventilation:FRESH AIR LOCAL EXHAUST/MECHANICAL Protective Gloves:HEAVY TERRY-CLOTH TYPE Eye Protection:SAFETY GLASSES W/SIDE SHIELDS Other Protective Equipment:SAFETY SHOES, HARD HATS & EAR PROTECTION SHOULD BE WORN WHEN WORKING W/PRESSURIZED CARBON DIOXIDE. Work Hygienic Practices:PERSONS HANDLING CARBON DIOXIDE SHOULD BE FULLY TRAINED I N ADVANCE. Supplemental Safety and Health USE A PROPER PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE < 1500 PSIG. NEVER HEAT CYLINDER TO INCREASE DISCHARGE RATE. KEEP CYLINDERS UPRIGHT AND PROPERLY SECURED IN SECURED AREAS AWAY FROM HIGH TRAFFIC. HAVE ONLYQUALIFIED PERSONNEL REFILL CYLINDERS.
========= Physical/Chemical Properties ==========
HCC:G3 Boiling Pt:B.P. Text:-109F,-79C Vapor Pres:1 ATM Vapor Density:1.5 AIR=1 Solubility i n Water:90ML/100ML H2O Appearance and Odor:IN SOLID TRANSLUCENT WHITE & ODORLESS.IN GAS & LIQ COLORLESS & ODORLESS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACTIVE ALKALI METALS(SUCH AS SODIUM, POTASSIUM, MAGNESIUM, ALUMINUM, TITANIUM, ZIRCONIUM), ORGANOMETALLICS, HYDRIDES.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: HEATING ABOVE 1700C

CAUSES
DECOMPOSITION OF CARBON MONOXIDE & OXYGEN.
Conditions to Avoid Polymerization:IT CAUSES VIOLENT POLYMERIZATION OF ACRYLALDEHYDE OR ETHLENEIMINE.

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

Waste Disposal Methods:ALLOW CARBON DIOXIDE TO RELEASE, SUBLIME OR DISSIPATE IN THE OPEN AIR.AVOID RELEASING IN COURTYARDS OR INDOORS OR ANY AREAS WHERE HEAVY CARBON DIOXIDE VAPORS CAN ACCUMULATE.

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