

SPARKLET DEVICES INC -- CARBON DIOXIDE -- 4220-00-965-0595

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Product Identification  
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Product ID:CARBON DIOXIDE  
MSDS Date:04/01/1986  
FSC:4220  
NIIN:00-965-0595  
MSDS Number: BJYKL  
=== Responsible Party ===  
Company Name:SPARKLET DEVICES INC  
Address:4400 GUSTINE AVE  
City:ST LOUIS  
State:MO  
ZIP:63116-1712  
Country:US  
Info Phone Num:314-353-0400  
Emergency Phone Num:314-353-0400  
CAGE:87286  
=== Cont  
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Composition/Information on Ingredients  
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Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
Fraction by Wt: >99.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

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Hazards Identification  
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Routes of Entry: Inhalation:

YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:CARBON DIOXIDE IS AN ASPHYXIANT. HIGH CONCENTRATIONS CAN PRODUCE PARALYSIS OF THE RESPIRATORY CONTROL CENTER OF THE NERVOUS SYSTEM. 2-3% WILL INCREASE RESPIRATION. >4% PRODUCES LABORED BREATHING AND IS DANGEROUS FOR EVEN A FEW MINUTES. >12% CAUSES RAPID UNCONSCIOUSNESS AND DEATH.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY N

TP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:FAINT "ACIDIC" TASTE, HEADACHE, DIZZINESS, SHORTNESS OF BREATH, MUSCULAR WEAKNESS, DROWSINESS, AND RINGING OF THE EARS.

Medical Cond Aggravated by Exposure:PERSONNEL WITH PRE-EXISTING CHRONIC RESPIRATORY DISEASES OR HEART DISORDER SHOULD REFRAIN FROM BREATHING EXCESSIVE CARBON DIOXIDE. RECOVERY IS USUALLY RAPID FROM SHORT TERM OVEREXPOSURE.

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

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d:FIRST AID: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WIHT FULL FACE MASK.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:HEAT OF FIRE MAY RUPTURE CONTAINERS VIOLENTLY. CO2 IS NOT EFFECTIVE WITH CHEMICALS THAT HAVE THEIR OWN OXYGEN SUPPLY OR WITH REACTIVE METALS AND THEIR HYDRIDES.

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

Spill Release Procedures:REMOVE PERSONNEL. VENTILATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. MOVE LEAKING CONTAINER OUTDOORS IF WITHOUT RISK. SLOWLY RELEASE INTO ATMOSHPERE. RETURN DEFECTIVE



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Stability Indicator/Materials to Avoid: YES

SODIUM PEROXIDE MIXED WITH AL AND MG. REACTIVE CHEMICALS, THEIR HYDRIDES. DRY ICE CAN FORM SHOCK SENSITIVE MIX WITH NA, K

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products: IN THE PRESENCE OF AN ELECTRICAL DISCHARGE, CARBON DIOXIDE IS DECOMPOSED TO FORM CARBON MONOXIDE AND OXYGEN.

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

Waste Disposal Methods: CONTACT

YOUR LOCAL ENVIRONMENTAL OFFICER.

MANUFACTURER RECOMMENDS VENTING SLOWLY TO ATMOSPHERE WITH ADEQUATE VENTILATIONS. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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