

SPARKLET DEVICES INC -- 505 CARTRIDGE, 2% METHANE -- 6665-00-409-2251

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

Product ID:505 CARTRIDGE, 2% METHANE

MSDS Date:08/01/1989

FSC:6665

NIIN:00-409-2251

MSDS Number: BPRGP

=== 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 FAX: 314-353-0850

Emergency P

hone Num:314-353-0400

Preparer's Name:PJ IGOE

CAGE:87286

=== Contractor Identification ===

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:METHANE

CAS:74-82-8

RTECS #:PA1490000

Fraction by Wt: 2%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9293

Ingred Name:AIR, REFRIGERATED LIQUID; AIR COMPRESSED (UN1002, DOT

); AIR
REFRIGERATED LIQUID (CRYOGENIC LIQUID) (UN1003) (DOT)
RTECS #:AX5271000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE
ASPHYXIATION. CONTACT WITH LIQUID MAY CAUSE FROSTBITE. CHRONIC:
NONE KNOWN.
Explanation of Carcinogenicity:NO I
NGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:SKIN: REDNESS, BLISTERS, WHITE TO GREY COLORED
SKIN. INHALED: DIMINISHED MENTAL ALERTNESS, IMPAIRED MUSCULAR
COORDINATION, RAPID FATIGUE, NAUSEA, VOMITING, PROSTRATION,
UNCONSCIOUSNESS, CONVULSIONS, C OMA, AND DEATH.
Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:INHALED: MOVE TO
FRESH AIR. GIVE RESPIRATORY SUPPORT AS
NEEDED. SKIN: FLUSH WITH WATER. IF REDNESS DEVELOPS, GET MEDICAL
ATTENTION. WARM AREA UNTIL MEDICAL AID ARRIVES.

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

Flash Point:-213F,-136C
Lower Limits:5%
Upper Limits:15%
Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICAL
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
BUNKER GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINER. SHUT OFF
SOURCE OF GAS
IF FEASIBLE.
Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE. VAPORS MAU TRAVEL A
DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK CAUSING A FIRE OR
EXPLOSION HAZARD.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. STOP LEAK
IF FEASIBLE. VENTILATE AREA. IF CANNOT STOP LEAK, ALLOW TO
DISSIPATE TO ATMOSPHERE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Stor

age =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLES. STORE AWAY FROM DIRECT SUNLIGHT.

Other Precautions:NEVER SMOKE IN A WORK AREA WHERE METHANE BEING USED. ELECTRICALLY BOND AND GROUND CONTAINERS WHEN IN USE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

MSDS FROM MANUFACTURER WAS FOR PURE METHANE NOT 2% METHANE AS IN THIS PRODUCT. 2% METHANE IS NOT FLAMMABLE (LEL IS 5%) NOR UNDER NORMAL CONDITIONS OF USE BE AN ASPHYXIANT.

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

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HCC:G2

Boiling Pt:B.P. Text:-259F,-162C

Melt/Freeze Pt:M.P/F.P Text:-297F,-183C

Vapor Density:0.5(AIR=1)

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS, ODORLESS GAS IN A CARTRIDGE

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

Stability Indicator/Materials to Avoid:YES

BROMINE PENTAFLUORIDE, CHLORINE, CHLORINE DIOXIDE, NITROGEN TRIFLUORIDE, LIQUID OXYGEN, AND OXYGEN DIFLUORIDE.

Stability Condition to Avoid:SOURCES OF IGNITION, SPARKS, OPEN FLAME.

CONTACT WITH INCOMPATIBLE

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE

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

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

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