

12 GRAM AIRGUN CO2 CARTRIDGE -- 6830-00N062313

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

Product ID:12 GRAM AIRGUN CO2 CARTRIDGE
MSDS Date:01/01/1991
FSC:6830
NIIN:00N062313
MSDS Number: BYTYS

===== 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

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

LD50·LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGEST:UNLIKELY RTE OF EXPOS. FROSBITE
OF LIPS & MOUTH MAY RSLT. SKIN ABSORP:NO EVIDENCE OF ADVERSE EFTS
FROM AVAIL INFO. INHAL:ASPHYXIANT. LACK OF OXYG MAY CAUSE DEATH.
SKIN:NO HARMFUL EFFECT EXPECTE D FROM VAPOR. LIQUID MAY CAUSE
FROSTBITE. EYES:VAPOR MAY CAUSE STINGING SENSATION. LIQUID MAY
CAUSE FROSTBITE.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:MODERATE CONCENTRATIONS MAY CAUSE HEADACHE,
DROWSINESS, STINGING OF NOSE AND THROAT, EXCITATION, RAPID
BREATHING, SALIVATION, VOMITING, UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:TOXICOLOGY INFORMATION AND PHYSICAL
AND CHEMICAL PROPERTIES OF MATERIAL SUGGEST OVEREXPOSURE IS
UNLIKELY TO AGGRAVATE MEDICAL CONDITIONS.

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

First Aid:INGESTION:CALL MD IMMEDIATELY . EYES:IRRIGATE IMMEDIATELY FOR
AT LEAST 15 MINUTES. SKIN:TREAT FROSTBITE IMMEDIATELY WITH WARM
WATER (NOT OVER 105F). CALL PHYSICIAN. INHALATION:REMOVE TO FRESH
AI R, GIVE OXYGEN, CALL PHYSICIAN.

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

Extinguishing Media:CARBON DIOXIDE CANNOT CATCH FIRE. USE MEDIA
APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP
. EVACUATE ALL PERS FROM DANGER AREA. IMMED DELUGE CARTRIDGES
W/WATER SPRAY FROM MAX DIST UNTIL (SUPP DATA)
Unusual Fire/Explosion Hazard:GAS CANNOT CATCH FIRE. CARTRIDGE MAY
RUPTURE DUE TO HEAT OF FIRE. NO CARDTRIDGE SHOULD BE SUBJECTED TO
TEMP >140F (60C). TREAT AS PRESSURIZED CONTAINER.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED. VENTILATE AREA. TEST FOR SUFFICIENT OXYGEN CONTENT PRIOR TO PERMITTING RE-ENTRY OF PERSONNEL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CAUTION:HIGH PRESSURE LIQUEFIED GAS. STORE IN A COOL, DRY PLACE AWAY FROM DIRECT SUNLIGHT AND OTHER SOURCES OF HEAT. STORE BELOW 120F.
Other Precautions:KEEP OUT OF REACH OF CHILDREN. DO NOT INCINERATE. READ AND UNDERSTAND ALL LABELS AND INSTRUCTIONS SUPPLIED WITH THIS PRODUCT.

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

Respiratory Protection:SELECT IN ACCORDANCE WITH OSHA 29 CFR 1910.134 AND ANSI Z88.2. FOR CONCENTRATIONS UP TO 10 TIMES THE APPLICABLE EXPOSURE LIMIT USE NIOSH/MSHA APPROVED AIR RESPIRATOR.
Ventilation:LOCAL EXHAUST:PREFERRED. MECHANICAL (GENERAL):ACCEPTABLE.
Protective Gloves:INSULATED NEOPRENE.
Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .
Supplemental Safety and Health
VP:830 PSIG @ 21C. SOL IN H*2O:ML CO*2/100 ML H*2O @ 760 MM OC=171; 20C=88; 60C=36. FIRE FIGHT PROC:COOL, THEN MOVE CARTRIDGES AWAY FROM FIRE AREA IF WITHOUT RISK.

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

Vapor Pres:SUPP DATA
Vapor Density:1.522@21C
Evaporation Rate & Reference:HIGH (BUTYL ACETATE=1)
Solubility in Water:SUPP DATA
Appearance and Odor:COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE:ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
CHEMICAL ACTIVE METALS SUCH AS SODIUM, POTASSIUM HOT TITANIUM.
Stability Condition to Avoid:SEE HANDLING AND STORAGE INFORMATION.
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:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS . DO NOT PUNCTURE OR BURN CARTRIDGES IN A HOUSEHOLD INCINERATOR. EMPTY CARTRIDGES MAY BE DISPOSED OF IN A SANITARY LANDFILL. CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISP.

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