

PURITAN-BENNET CORPORATION -- CARBON DIOXIDE -- 4220-00-595-3698

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Product Identification
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Product ID:CARBON DIOXIDE

MSDS Date:09/01/1987

FSC:4220

NIIN:00-595-3698

MSDS Number: BJYZR

=== Responsible Party ===

Company Name:PURITAN-BENNET CORPORATION

Address:10800 PFLUMM ROAD

City:LENEXA

State:KS

ZIP:66215

Country:US

CAGE:LO651

=== Contractor Identification ===

Company Name:PURITAN-BENNET
CORPORATION, GAS PRODUCTS DIV

Address:1500 JOH AVE

Box:City:BALTIMORE

State:MD

ZIP:21227

Country:US

Phone:301-646-7200

CAGE:92457

Company Name:PURITAN-BENNET CORPORATION

Address:10800 PFLUMM ROAD

Box:City:LENEXA

State:KS

ZIP:66215

Country:US

CAGE:LO651

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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 =====

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.

Exp

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, 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 =====

First Aid:FIRST AID: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WITH 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 FACE

SELF-CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CYLINDERS MAY EXPLODE IF PRESSURE RELIEF DEVICES FAIL.

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

Spill Release Procedures:REMOVE PERSONNEL. VENTILATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. MOVE LEAKING CONTAINER OUTDOORS IF WIT

HOUT RISK. SLOWLY RELEASE INTO ATMOSHPHERE. RETURN DEFECTIVE CYLINDER TO SUPPLIER. TEST AREA FOR OXYGEN BEFORE ALLOWING RE-ENTRY.

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

Handling and Storage Precautions:STORE CARBON DIOXIDE CYLINDERS UPRIGHT IN A COOL, DRY LOCATION, AWAY FROM CHEMICALS WITH SAFETY CAP INSTALLED. CAN BE STORED OUTSIDED AT