

VICTORY MFG CO -- CARBON DIOXIDE -- 4220-00-805-8383

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Product Identification
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Product ID:CARBON DIOXIDE

MSDS Date:06/22/1988

FSC:4220

NIIN:00-805-8383

MSDS Number: BNTLM

=== Responsible Party ===

Company Name:VICTORY MFG CO

Address:WOODCREST AND BURNT MILL RD

Box:507

City:CHERRY HILL

State:NJ

ZIP:08003

Country:US

Info Phone Num:609-428-4200

Emergency Phone Num:609-428-4200

CAGE:64578

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= Contractor Identification ===

Company Name:VICTORY MFG CO

Address:WOODCREST AND BURNT MILL RD

Box:507

City:CHERRY HILL

State:NJ

ZIP:08003

Country:US

Phone:609-428-4200

CAGE:64578

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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: 100%

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:YES 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 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.

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

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

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===== 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. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE VIOLENTLY ON HEAT OF FIRE. VAPORS HEAVIER THAN AIR. MAY ACCUMULATE IN LOW AREAS. DO NOT USE ON REACTIVE METALS AND THEIR HYDRIDES.

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

Spill Release Procedures:REMOVE PERSONNEL. VENTILATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. CLOSE THE VALVE AND RETURN THE DEFECTIVE CYLINDER TO THE SUPPLIER.

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===== Handling and Storage

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Handling and Storage Precautions:STORE CARBON DIOXIDE CYLINDERS UPRIGHT
IN A COOL, DRY LOCATION, AWAY FROM CHEMICALS WITH SAFETY CAP
INSTALLED. AVOID DIRECT HEAT AND OPEN FLAMES.

Other Precautions:DO NOT BREATHE VAPORS.

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Exposure Controls/Personal Protection

Respiratory Protection:WEAR SELF-CONTAINED BREATHING APPARATUS WHEN
CONCENTRATIONS ARE ABOVE PEL.

Ventilation:MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO
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EEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:LEATHER GLOVES.

Eye Protection:SAFETY GLASSES OF FULL FACE SHIELD.

Other Protective Equipment:SELF-CONTAINED BREATHING APPARATUS. SAFETY
SHOES. DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices:KEEP SAFETY VALVES IN GOOD WORKING CONDITIONS.
KEEP DEBRIS AND UNNECESSARY EQUIPMENT AWAY FROM CO2 EQUIPMENT.

Supplemental Safety and Health
NONE.

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Physical/Chemical Properties

HCC:G3

Boiling Pt:B.P. Text:-
109F,-78C

Appearance and Odor:COLORLESS GAS. NO ODOR.

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS SUCH AS SODIUM, POTASSIUM, MAGNESIUM, ALUMINUM,
TITANIUM, ZIRCONIUM AND THEIR HYDRIDES.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products:CARBON DIOXIDE CAN DECOMPOSE TO CARBON
MONOXIDE AND OXYGEN ABOVE 3000F.

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Disposal Considerations

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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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