

SCOTT SPECIALTY GASES -- CARBON DIOXIDE IN NITROGEN -- 6830-01-100-2215

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Product Identification
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Product ID:CARBON DIOXIDE IN NITROGEN

MSDS Date:08/01/1997

FSC:6830

NIIN:01-100-2215

MSDS Number: CFVWX

=== Responsible Party ===

Company Name:SCOTT SPECIALTY GASES

Address:6141 BASTON ROAD

Box:310

City:PLUMSTEADVILLE

State:PA

ZIP:18949-0310

Country:US

Info Phone Num:215-766-8861

Emergency P

hone Num:215-766-8861

CAGE:51847

=== Contractor Identification ===

Company Name:SCOTT SPECIALTY GASES

Address:6141 EASTON RD (6141 ROUTE 611)

Box:310

City:PLUMSTEADVILLE

State:PA

ZIP:18934

Country:US

Phone:215-766-8861/ FAX: 215-766-0416

CAGE:51847

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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: 51-90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;96

Ingred Name:NIT

ROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9596

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

LD50 LC50 Mixture:LD50:N/AP
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HIGH PRESSURE GAS.CAN CAUSE RAPID
SUFFOCATION.ACUTE:EXPO TO CO2 @1-4% CONCEN RESULT IN INCR RESP
VOLUME.>4% PRODUCES LABORED BREA
TH & DANGEROUS FOR EVEN A FEW
MINS.MIXTURE CAN ACT AS SIMPLE ASPHYXIAN BY DISPLACING AIR
NECESSARY FOR LIFE.CHRONIC:NONE KNOWN.
Explanation of Carcinogenicity:PER
MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO.
Effects of Overexposure:SYMPTOMS INCLUDE RAPID RESPIRATION,MUSCULAR
INCOORDINATION,FATIGUE,DIZZINESS,NAUSEA,VOMITING,UNCONSC & DEATH.
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHAL:IMMED REMOV
E VICTIM TO FRESH IAR.IF BREATHING HAS
STOPPED GIVE ARTIFICIAL RESPIRATION.IF BREATHING IS DIFFICULT GIVE
OXYGEN.EYE/SKIN/INGEST:NONE.IN EVENT OF EXPOSURE CONSULT A
PHYSICIAN.NOTE TO PHYSICIAN:NONE.

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

Flash Point:NON-FLAMMABLE
Autoignition Temp:Autoignition Temp Text:N/AVAI
Lower Limits:NON-FLAMM
Upper Limits:NON-FLAMM
Extinguishing Media:USE WHAT IS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR S

ELF-CONTAINED BREATHING APPARATUS & FULL
PROTECTIVE CLOTHING.KEEP FIRE EXPO CYL COOL W/WATERSPRAY.IF
POSSIBLE STOP PRODUCT FLOW.
Unusual Fire/Explosion Hazard:CYLINDER RUPTURE MAY OCCUR UNDER FIRE
CONDITIONS.

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

Spill Release Procedures:SHUT OFF SOURCE IF POSSIBLE & REMOVE SOURCE OF
HEAT.REMOVE LEAKING CYLINDER TO EXHAUST HOOD OR SAFE OUTDOOR AREA
IF THIS CAN BE DONE SAFELY.SPECIALIZED EQPMT:NONE.

Neutralizing

Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:SECURE CYL WHEN USING TO PROTECT FROM
FALLING.USE SUITABLE HAD TRUCK TO MOVE CYLINDERS.STORE IN WELL
VENTILATED AREA.

Other Precautions:KEEP VALVE PROTECTION CAP ON CYL WHEN NOT IN
USE.PROTECT CNTNR FRM PHYS DMG.DONT DEFACE CYL/LABEL.CYL SHOULD BE
REFILL BY QUAL PRODUCERS OF COMPRESSED GAS.SHIPMENT OF COMPRESSED
GAS CYL WHICH HASNTT B E
EN FILL BY OWNER OR W/WRITTEN (SUPPLE)

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

Respiratory Protection:IN CASE OF LEAKAGE USE SELF-CONTAINED BREATHING
APPARATUS.,

Ventilation:PROVIDE ADEQUATE GEN/LOC EXHAU VENTI TO MAINTAIN CONCEN
BELOW EXPO LMITS & TO AVOID ASPHYXIATION.

Protective Gloves:NONE

Eye Protection:SAFETY GLASSES

Other Protective Equipment:SAFETY SHOES WHEN HNDLG CYLINDERS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety
and Health

DISPO:SECURED & VALVE PROTECTION CAPS IN PLACE. OTHER PRECAUT:CONSENT
IS VIOLATION OF FED LAW(49CFR).CYL SHOULD BE TRANSPO IN SECURE
UPRIGHT POSITION IN WELL VENTI TRUCK.

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

HCC:G3

Boiling Pt:B.P. Text:N/AP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:N/AP

Vapor Density:0.970-1.08

Spec Gravity:GAS

pH:NP

Viscosity:NP

Evaporation Rate & Reference:GAS

Solubility in Water:1.485CM3/100C

M3 H2O

Appearance and Odor:COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

CO2 RXS W/ALKALINE MATLS.CO2 DECOMPO WHEN HEATED ABOVE 170C.NITROGEN RXS W/LI,ND,TI @HIGH TEMPERATURES.

Stability Condition to Avoid:STORAGE IN POORLY VENTILATED AREAS.STORAGE NEAR HEAT SOURCE.

Hazardous Decomposition Products:CARBON DIOXIDE DECOMPOSES WHEN HEATED ABOVE 1700

C.

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

Waste Disposal Methods:NO ADVERSE ECOLOGICAL EFECTS ARE EXPECTED.DISPO OF NON-REFILLABLE CYL IAW FED/STATE/LOC REGS.ALLOW GAS TO VENT SLOWLY TO ATMOSPHER IN UNCONFINED AREA/EXHAUST HOOD.IF CYL REFILLABLE TYPE RETURN CYL TO SUPPLIER W/ANY VALVE OUTLET PLUGS/CAPS (SUPPLEMEN)

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