

SPECIALTY GAS TECHNOLOGY INC -- 88-51374;131 9556 -- 6830-00-460-7704

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

Product ID:88-51374;131 9556

MSDS Date:03/28/1997

FSC:6830

NIIN:00-460-7704

MSDS Number: CDJPX

=== Responsible Party ===

Company Name:SPECIALTY GAS TECHNOLOGY INC

Address:10207 CHAPEL HILL RD

City:MORRISVILLE

State:NC

ZIP:27560

Country:US

Info Phone Num:919-676-2496 919-481-2311

Emergency Phon

e Num:919-676-2496 800-876-9581

Preparer's Name:DSCR-VBA(LEVIEN)

CAGE:0Y5M5

=== Contractor Identification ===

Company Name:SPECIALTY GAS TECHNOLOGY

Address:10207-D CHAPEL HILL RD

Box:City:MORRISVILLE

Phone:800-876-9581

CAGE:0Y5M5

===== Composition/Information on Ingredients =====

Ingred Name:CARBON MONOXIDE=45.4PPM

CAS:630-08-0

RTECS #:FG3500000

Fraction by Wt: TRACE

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM; 9596

Ingred Name:CARBON DIOXIDE

CAS:124-3

8-9
RTECS #:FF6400000
Fraction by Wt: 1.31%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;96

Ingred Name:HYDROGEN
CAS:1333-74-0
RTECS #:MW8900000
Fraction by Wt: 1.05%
Other REC Limits:NONE RECOMMENDED

Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000
Fraction by Wt: 20.9%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: 76.74%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9596

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NO HAZARD,OTHER THAN THE PHYSICAL
HAZARD OF A GAS CYLINDER RAPIDLY DISCHARGING, ARE EXPECTED.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:NO SYMPTOMS EXPECTED.
Medical Cond Aggravated by Exposure
:UNLIKELY TO AGGRIVATE EXISTING
MEDICAL CONDITIONS UNDER NORMAL CONDITIONS OF USE.

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

First Aid:NO FIRST AID SHOULD BE NEEDED.

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER
FOG.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST AT ELEVATED TEMPERATURES.

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

Spill Release Procedures:VENTILATE AREA.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE AT TEMPERATURES BELOW 120F.FOLLOW LABEL DIRECTIONS.
Other Precautions:FOLLOW LABEL DIRECTIONS.

===== Exposure Controls/Personal Protection =====
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Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.
Ventilation:USE GENERAL DILUTION VENTILATION.
Protective Gloves:COTTON FOR HANDLING CYLINDERS.
Eye Protection:FACESHIELD.
Other Protective Equipment:NONE
Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.
Supplemental Safety and Health
THIS RECORD WAS PREPARED FROM A LETTER FROM SPECIALTY GAS.FOR HYDROGEN,SEE 6830-00-460-7704/88381/A;OXYGEN IN NITROGEN WITH CARBON MONOX
IDE(AS AN IMPURITY),SEE 6830-00-460-7704/NATIO/B;CARBON DIOXIDE IN NITROGEN,SEE 6830-00-460-7704/NATIO/A;OXYGEN,SEE 6830-00-460-7704/HOLOX/A.

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

HCC:G3
Vapor Pres:2000PSIG
Appearance and Odor:CYLINDER CONTAINING A COLORLESS ODORLESS GAS
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
NONE.
Stability Condition to Avoid:HIGH H

EAT.

Hazardous Decomposition Products:NONE.

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

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

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