

CHIRON DIAGNOSTICS CORP -- 477434, CALIBRATING GAS 5.0% CO\*2, (SUPDAT) --  
6830-00-280-9240

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

Product ID:477434, CALIBRATING GAS 5.0% CO\*2, (SUPDAT)

MSDS Date:01/16/1997

FSC:6830

NIIN:00-280-9240

MSDS Number: CHDYF

=== Responsible Party ===

Company Name:CHIRON DIAGNOSTICS CORP

Address:63 NORTH ST

City:MEDFIELD

State:MA

ZIP:02052

Country:US

Info Phone Num:800-255-212

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Emergency Phone Num:800-888-8372

CAGE:JO058

=== Contractor Identification ===

Company Name:CHIRON DIAGNOSTICS CORP

Address:63 NORTH ST

City:MEDFIELD

State:MA

ZIP:02052

Country:US

Phone:800-255-2121

CAGE:JO058

Company Name:CIBA CORNING DIAGNOSTICS CORP A JOINT VENTURE

Address:63 NORTH ST

Box:City:MEDFIELD

State:MA

ZIP:02052-2308

Country:US

Phone:508-359-7711/ 800-255-8769

CAGE:51404

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

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RT

ECS #:FF6400000  
Fraction by Wt: 6-12%  
OSHA PEL:5000 PPM  
ACGIH TLV:5000 PPM/30000 STEL

Ingred Name:OXYGEN DIFLUORIDE  
CAS:7783-41-7  
RTECS #:RS2100000  
Fraction by Wt: 0-21%  
OSHA PEL:C 0.05 PPM  
ACGIH TLV:C 0.05 PPM

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 67-100%  
OSHA PEL:N/K  
ACGIH TLV:ASPHYXIAN

Ingred Name:SUPDAT: TUNNEL VISION, & NUMBING & TINGLING OF EXTREMITIES.  
CHRONIC: CARBON DIOXIDE: LONG-TERM EXPOS MAY AFFECT (ING 5)  
RTECS #:9999999ZZ

Ingred Name:ING 4:  
ACID-BASE BALANCE, RESULTING IN ACIDOSIS AND CAN  
AFFECT CALCIUM METABOLISM.  
RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH: BIPHENYLS(THAT IS, NO CHEMS ON EPA TOXIC  
POLLUTANT LIST(40 CFR 401.15), HOWEVER, IN ORDER TO (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6: DETERM PROPER DISPOSAL, CONSULT APPLICABLE LOCAL,  
STATE AND FEDERAL REGULATIONS.  
RTECS #:9999999ZZ

Ingred Name:EYE PROT: & FULL LENGTH FACESHIELD .  
RTECS #:9999999ZZ

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

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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:ACUTE: CARBON DIOXIDE: TARGET ORGANS:  
EYES & SKIN. EYE: CRYOGENIC BURNS MAY RSLT FROM CONT W/GAS OR CYL @  
POINT OF EXIT FROM CYL. SKIN: CRYOGENIC BURNS MAY RSLT FROM CONT  
W/GAS OR CYL @ POINT OF EXIT FROM CYL. INHAL: MAY CAUSE ASPHY.  
SIGNS& SYMPS OF EXPOS: HDCH, SHORTNESS OF BREA  
TH, NAUS, VOMIT &  
(EFT OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:HLTH HAZ: DIZZ. OXYGEN(0-21%): TARGET ORGANS:  
EYES & SKIN. ACUTE: EYE: CRYOGENIC BURNS MAY RSLT FROM CONT W/GAS  
OR CYL @ PONT OF EXIT FROM CYL. SKIN: CRYOGENIC BURNS MAY RSLT FROM  
CONT W/GAS OR CYL @ POINT OF EXIT FROM CYL. NITROGEN: TARGET  
ORGANS: EYES, SKIN & LUNGS. ACUTE: EYE: CRYOGENIC BURNS MAY RSLT  
FROM (SUPDAT)  
Medical Cond Aggravated by Exposure:NOT ESTABLISHED  
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===== First Aid Measures =====

First Aid:INGEST: CALL MD IMMEDIATELY . EYES: GET MED ATTN IMMED.  
IMMEDIATELY FLUSH W/POTABLE WATER FOR AT LST 15 MINS, SEEK  
ASSISTANCE FROM MD . SKIN: SEEK MED ADVICE IMMED FOR CRYOGENIC  
BURNS. FLU SH W/COPIOUS AMOUNTS OF WATER. CALL MD.. INHAL: REMOVE  
TO FRESH AIR.

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

Flash Point:NOT FLAMMABLE  
Extinguishing Media:MEDIA APPROPRIATE FOR SURR  
OUNDING FIRE.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT . STANDARD FIRE-FIGHTING PRECAUTIONS SHOULD BE FOLLOWED  
WHEN TRYING TO EXTINGUISH ANY FIRE.  
Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:NON-FLAMMABLE. VAP DENS RELATIVE TO AIR:  
SIMILAR. CLEAN-UP PROCEDURES: ALLOW GAS TO VENTILATE FROM AREA  
UNTIL NORMAL BREATHING AIR CONDITIONS ARE MET. RELEASES MUST BE

HNDLD BY TRAINED PERSONNEL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CYLINDERS CLOSED WHEN NOT IN USE.  
Other Precautions:IN ORDER TO MINIMIZE RISK OF UNCONTROLLED RELEASE  
GAS, ALWAYS SECURE FULL GAS CYLINDERS AND PROTECT CYLINDERS AND  
CYLINDER VALVES FROM DAMAGE. THIS PRODUCT SHOULD BE HANDLED IN  
ACCORDANCE WITH GOOD LA BORATORY PRACTICES.

===== Exposure C  
ontrols/Personal Protection =====

Respiratory Protection:NIOSH APPROVED AIR SUPPLYING RESPIRATORY PROT  
W/ESCAPE BOTTLES/NIOSH APPRVD SELF CONTAINED BREATHNG APPARATUS MAY  
BE REQD IF EXPOS TO HAZ INGREDIENTS MAY EXCEED RECOGNIZED SAFE  
LIMITS/OXYG LEVELS ARE DISP LACED TO LEVELS