

## **REFRIGERANT GAS R22 158**

### **MSDS Number**

BLCFT

### **National Stock Number**

6830-00N017266

### **Product Name**

REFRIGERANT GAS R22 158

### **Manufacturer**

COMMONWEALTH INDUSTRIAL GASES LIMITED

### **Product Identification**

Product ID:REFRIGERANT GAS R22 158

MSDS Date:07/01/1990

FSC:6830

NIIN:00N017266

MSDS Number: BLCFT

### **Responsible Party**

COMMONWEALTH INDUSTRIAL GASES LIMITED

500 PACIFIC HIGHWAY

ST LEONARDS

AS

Emergency Phone: 02-965-6666

Info Phone: 02-965-6666

Cage: Z0209

### **Contractor**

COMMONWEALTH INDUSTRIAL GASES LTD WELDING DIV

PRESTON VIC AUSTRALIA

AU

(02) 965-6666

Cage: Z0209

### **Ingredients**

CHLORODIFLUOROMETHANE

CAS: 75-45-6

RTECS: PA6390000

Fraction By Weight: >99.9%

OSHA PEL1000 PPM

ACGIH TLV: 1000PPM; 9192

### **Hazards**

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:INHAL:R22 IS INTRINSICALLY  
NON-TOX BUT IN HIGH CONC ACTS AS A SIMPLE ASPHYX. SYMP INCLUDE  
RAPID,GASPING RESP,RAPID FATG,& VOMIT,CYANOSIS & MAY LEAD TO LOSS  
OF CON & DEATH. EYE/SKIN:LIQ/COLD PIPI NG CAN CAUSE TISS OR FROSTBT  
IF CONTACTIS MADE. PROMPT MD ATTEN IS MANDITORY IN ALL CASES OF  
OVEREXP(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.  
Effects of Overexposure:HLTH HAZ: CHRONIC:THOUGHT TO BE  
MUTAGENIC/TERATOGENIC.WOMEN OF CHILD BEARING AGE SHOULD HAVE EXPOS  
LIMITED.ADVISE TO MD:TREAT FOR ASPHYXIA/CRYOGENIC BURNS.MAY PRDCE  
CARD ARRHY/ARREST UNDER CIRCUMSTANC ES WHERE AN ABNORM LRG AMT OF  
ADRENALINIS SECRETED ENDOGENOUSLY.ADRENALIN SHOULD NOT BE ADMIN IN  
SUSPECTED CASES.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYE:IMMED FLUSH W/TEPID H\*2O IN LG QTYS FOR AT LST 15 MIN,OR  
W/STERILE SALINE SOLN. SEEK MD ATTEN. SKIN:FLUSH AFFECTED AREAS  
W/LUKEWARM H\*2O. DO NOT USE HOT H\*2O! MD SHOULD SEE PATIENT  
PROMPTLY IF COL D "BURN" HAS RESULTED IN BLISTER OR DEEP TISS FRZ.  
INHAL: QUICKLY REMOVE TO FRESH AIR. GIVE O\*2/ARTF RESP. TREAT  
SYMPTOMATICALLY/SUPPORTIVELY. RESCUE PERS SHLD BE EQUIPPED  
W/NIOSH/MSHA APPRVD SCBA.

## Fire Fighting

Flash Point:NON-FLAMMABLE  
Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS .  
Fire Fighting Procedures:CALL FIRE DEPT. WEAR NIOSH/MSHA APPRVD SCBA &  
FULL PROTECTIVE EQUIPMENT . COOL CYL W/H\*2O FROM PROTD LOCATION.  
REMOVE COOL CYL FROM PATH OF FIRE.  
Unusual Fire/Explosion Hazard:DO NOT APPROACH CYLS SUSP TO BE HOT. IF  
UNABLE TO KEEP CNTNRS COOL EVAC AREA.

## Accidental Release

Spill Release Procedures:EVAC ALL PERS FROM AREA. USE APPROP PROT  
EQUIP. IF CLY IS LEAKING, REMOVE TO WELL-VENT AREA & INFORM MFR.  
NEVER ATTEMPT TO REPAIR CYL VALVE. IF LEAK CANNOT BE STOPED, MOVE  
CNTNR, IF POSS & SAFE TO OUT DOORS/ALLOW TO EMPTY. NOTIFY EMER  
SERVICE IF REQD.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:GAS UNDER PRESS: PROTECT CYL FROM  
PHYSICAL DAMAGE. STORE IN COOL,(NOT OVER 45C) DRY, WELL-VENT AREA  
AWAY FROM HEAVILY TRAFFICKED AREAS & EMER EXITS.  
Other Precautions:STORE UPRIGHT & FIRMLY SECURED TO PRVNT FALLING OR  
BEING KNOCKED OVER. FULL & EMPTY CYL SHOULD BE SEGREGATED. USE A  
"FIRST IN-FIRST OUT" INVENTORY SYS TO PRVNT CYL BEING STORED FOR  
EXCESSIVE PERIODS O F TIME.

## Exposure Controls

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESP APPROPRIATE FOR  
EXPOSURE OF CONCERN .  
Ventilation:USE ONLY IN WELL VENT AREA. VENT TO PRVNT ACCUM OF HIGH  
CONC OF R22 & ENSURE O\*2 LEVEL IN AIR IS > 18%.  
Protective Gloves:USE LEATHER/PLASTIC GLOVES.  
Eye Protection:CHEMICAL WORKER GOGGLES .  
Other Protective Equipment:OVERALLS. PERSON W/POTENTIAL EXPOS TO  
REFRIGERATION GAS R22 SHOULD NOT WEAR CONTACT LENSES.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
VAP PRESS: KPA @ 25C: 7300.

## Chemical Properties

HCC:G3  
Boiling Pt:B.P. Text:-42F,-41C  
Vapor Pres:SUPP DATA  
Spec Gravity:3.1  
Solubility in Water:0.3 WT%  
Appearance and Odor:COLOURLESS GAS WITH SLIGHT ETHEREAL ODOUR.

## Stability

Stability Indicator/Materials to Avoid:YES

MAGNESIUM ALLOYS, RUBBER.

Stability Condition to Avoid: AVOID HIGH TEMPS.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

## Disposal

Waste Disposal Methods: RETURN CYLINDERS TO MFR FOR PROPER DISPOSAL.  
DISPOSE I/A/W FEDERAL, STATE, LOCAL REG .

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