

GENETRON[®] 22 chlorodifluoromethane

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GENETRON[®], 22 chlorodifluoromethane

X C.A.S NO — ALLIED PRODUCT CODE •

75-45-6

CHEMICAL NAME

Chlorodifluoromethane

Synonyms: fluorocarbon 22, refrigerant 22, propellant 22.

2014

CHClF₂

MOLECULAR WEIGHT

86.47

ADDRESS (No., STREET, CITY, STATE AND ZIP CODE)

ALLIED CHEMICAL

P.O. Box 1139R

Horristown, N.J. 07930

CONTACT

Director, Product Safety

PHONE NUMBER

(201) 455-4157

ISSUED DATE	
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May, 1979

REVISID DATE

March, 1982

100-44110-50125

EMERGENCY PHONE NUMBER

(201) 455-2000

Inhalation: Immediately, remove to fresh air. If breathing has stopped, use artificial respiration. Use oxygen as required, provided a qualified operator is available. Do not give epinephrine (adrenalin). Call a physician.

Skin or Eye: Immediately bathe (do not rub) with lukewarm (not hot) water. Call a physician. In the absence of water, cover with soft wool.

1. THE STATE OF TEXAS

HEALTH

TOXICITY Acute toxicity is low at concentrations in air as high as 4% (40,000 ppm); but when oxygen levels in air are reduced to 12-14%, symptoms of asphyxiation, namely loss of coordination, increased pulse rate, and deeper respirations will occur. Narcotic effects seen at 200,000 ppm. Further, see Section K, which includes possible cardiac effects.

SUGGESTION

Not applicable (gas).

SKIN

Contact with liquid can cause frostbite, indicated by pallor or redness, loss of sensation, and swelling.

EYES

Same as skin.

9. MISSILE CONCENTRATION AIR
(SEE SECTION J)

None established by OSHA.

BIOLOGICAL

TLV: 1000 ppm.

UNUSUAL CHRONIC TOXICITY

See Section K.

FLASH POINT (non-flammable) N.A.	TEMPERATURE N.A.	FLAMMABLE LIMITS IN AIR (BY VOL.) LOWER N.A.	UPPER
UNUSUAL FIRE AND EXPLOSION HAZARDS GENETRON 22/air mixture under pressure: see Section K. Toxic decomposition products: see Section G.			

D. PRECAUTIONS PROCEDURES

FIRE EXTINGUISHING AGENTS RECOMMENDED

Not applicable.

FIRE EXTINGUISHING AGENTS TO AVOID

SPECIAL FIRE FIGHTING PRECAUTIONS

Wear self-contained breathing apparatus approved by NIOSH. Keep cylinders cool with water spray.

VENTILATION

Local Exhaust: where leakage is probable.

Mechanical (General): adequate for storage areas.

NORMAL HANDLING

Do not breathe gas. Use only with adequate ventilation.

Do not puncture or drop cylinders or expose to excessive heat. Use authorized containers only.

Do not puncture tubing. See label for further instructions.

STORAGE

Cool, well-ventilated area away from heat or flame. Protect cylinder and its fittings from physical damage.

Details on storage: see CGA Pamphlet below.

SPILL OR LEAK

If large quantity is released, evacuate personnel and allow to dissipate. Note Sections C and K for hazards involved.

SPECIAL PRECAUTIONS PROCEDURES/LABEL INSTRUCTIONS

This product can cause death or serious personal injury if not properly handled. Follow OSHA regulations for compressed gas and for airborne contaminants. For cylinder handling, also see Compressed Gas Association Pamphlet P-1, 1974. If use in pressure testing is contemplated, it is urgent to read limitation in Section K.

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

Not required for the usual well-vented situation. For emergencies or poorly vented situations, wear self-contained breath apparatus or supplied-air respirator. Either should be approved by NIOSH.

EYES AND FACE

Chemical safety goggles if there is reasonable probability of eye contact with liquid.

HANDS, ARMS, AND BODY

Protective gloves of PVA (second choice, neoprene) where leakage of liquid is reasonably probable.

Impervious shoes and clothing where liquid leakage is reasonably probable.

OTHER CLOTHING AND EQUIPMENT

Provide water source for first aid in case of frostbite (see Section B).

REALITY DATACL. HAZARDOUS INGREDIENTS (Change Only) N.A.3

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