

PACIFIC SCIENTIFIC -- HALON 1301 -- 1680-01-317-4532

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Product Identification
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Product ID:HALON 1301

MSDS Date:11/01/1995

FSC:1680

NIIN:01-317-4532

MSDS Number: CCVML

=== Responsible Party ===

Company Name:PACIFIC SCIENTIFIC

Address:1800 HIGHLAND AVE

City:DUARTE

State:CA

ZIP:91010

Country:US

Info Phone Num:818-359-9317

Emergency Phone Num:818-359-9317

CAGE:05167

=== Contractor Identifica

tion ===

Company Name:PACIFIC SCIENTIFIC CO HTL/KIN-TECH DIVISION

Address:1800 HIGHLAND AVE

Box:City:DUARTE

State:CA

ZIP:91010

Country:US

Phone:818-359-9317/602-796-1100

CAGE:05167

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Composition/Information on Ingredients
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Ingred Name:METHANE, BROMOTRIFLUORO-; (BROMOTRIFLUOROMETHANE) (HALON
1301) (SARA 313) (CERCLA)

CAS:75-63-8

RTECS #:PA5425000

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ozone Depleting Chemical:1

Ingred Name:SUPDAT:SIGNS & SYMPS OF EXPOS:ANESTH EFT

OF HALON 1301 &
GLC-13B1 AT LEVELS 10% (15-20%) MAY LEAD TO (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:UNCONSCIOUSNESS & POSSIBLY DEATH.
RTECS #:9999999ZZ

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

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:APPROX LETHAL CONC OF HALON 1301 &
GLC-13B1 TO RAT IS >800,000 PPM FOR 15
MINS. ACUTE INHAL LC50
W/RATS IS >800,000 PPM FOR 4 HRS. HALON 1031 & GLC-13B1 HAS ANESTH
& CARDIAC EFTS IN HUMANS AT CONCS >1 0% BY VOL, CONCS 10,000 PPM AS RECOMMENDED
BY NIOSH. CONSULT ANSI STANDARD & OSHA
REGULATIONS CONCERNING USE OF RESPIRATORY EQUIPMENT. AVOID
PROLONGED EXPOSURE TO EXCESSIVE CONCENTRATIONS.
Ventilation:LOC EXHST:MATL TRANSFER & HNDLG SHOULD BE CONDUCTED
W/EXHAUST SYSTEM. MECH:ALL INDOOR AREAS SHOULD BE WELL VENTILATED.
Protective Gloves:LINED NEOPREN
E OR LEATHER GLOVES.
Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .
Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET
ANSI DESIGN CRITERIA .
Work Hygienic Practices:DO NOT WEAR CONTACT LENSES.
Supplemental Safety and Health
EXPLO HAZ:ABOVE 1000F, HALON 1301 & GLC-13B1 MAY RELS HYDROGEN
FLUORIDE, HYDROGEN BROMIDE, CARBONYL FLUORIDE & CARBONYL BROMIDE.
MATLS TO AVOID:MAY DEGRADE CERTAIN POLYMERIC MATLS. HAZ DECOMP
PROD:BRO MIDE. SMOKING CAN CAUSE FORM OF TH
ESE CHEMS & MUST BE
AVOIDED IN AREA OF RELS. EFTS OF OVEREXP:LENSES MAY OCCUR. (ING 2)

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

HCC:G3
Boiling Pt:B.P. Text:-72F,-58C
Melt/Freeze Pt:M.P/F.P Text:-270F,-168C
Vapor Pres:6200 @ 0C
Vapor Density:5.1
Spec Gravity:1.57 (H*2O=1)
Solubility in Water:0.03% BY WT
Appearance and Odor:COLORLESS GAS; ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
ACTI

VE METALS, FIRES OF METAL HYDRIDES & MATL CNTNG OWN OXYG. PROD WILL NOT EXTING FIRES OF THESE MATLS. PROD (SUPDAT)

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:IN PRESENCE OF FLAMES/HOT SURFS;
HYDROGEN FLUORIDE, HYDROGEN BROMIDE, BROMINE, CARBONYL FLUORIDE & CARBONYL (SUPP DATA)

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

Waste Disposal Methods:RETURN CYLINDERS TO GREAT LAKES CHEMICAL CORPORATION, EL DORADO, ARKANSAS.

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