

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-151/151-67-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

151-67-7

Code:

M

RTECS:

KH6550000

Code:

M

Name:

HALOTHANE (BROMOCHLOROTRIFLUOROETHANE)

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

50 PPM; 9596

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED.

Ventilation:

PREVENT OXYGEN CONCENTRATIONS OVER 25%. LOCAL EXHAUST RECOMMENDED.

Protective Gloves:

COTTON, LEATHER OR NEOPRENE.

Eye Protection:

SAFETY GOGGLES OR GLASSES FACESHIELD.

Other Protective Equipment:

Equipment SAFETY SHOES WHEN HANDLING CYLINDERS.

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:

CYLINDERS MUST NOT BE RECHARGED UNLESS BY OR WITH THE CONSENT OF PURITAN-BENNETT CORPORATION.

Health Hazards Data

LD50/LC50 Mixture:

TWA: NONE SPECIFIED.

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

BREATHING HIGH CONCENTRATIONS OF OXYGEN (OVER 75% BY VOLUME) MAY CAUSE SYMPTOMS OF HYPEROXIA.

Explanation Of Carcinogenicity:

NOT LISTED IN NTP OR IARC; NOT REGULATED AS A CARCINOGEN BY OSHA.

Signs And Symptoms Of Overexposure:

CRAMPS, NAUSEA, DIZZINESS, HYPOTHERMIA, RESPIRATORY DIFFICULTY, FAINTING, CONVULSIONS, CAPABLE OF LEADING TO DEATH.

Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

First Aid:

3 REMOVE TO AREA WITH FRESH AIR AND ASSIST RESPIRATION. OBTAIN PROMPT MEDICAL ATTENTION AND ADVISE PHYSICIAN OF HYPEROXIA. OBTAIN PROMPT MEDICAL ATTENTION.

Spill Release Procedures:

EVACUATE ALL PERSONNEL FROM AREA. ATTEMPT TO RELEASE. REMOVE IGNITION SOURCES. VENTILATE AREA. AVOID INHALATION OF GAS. SELF-CONTAINED BREATHING APPARATUS MAY BE REQUIRED. N2O IS HEAVIER THAN AIR & MAY ACCUMULATE & DISPLACE OXYGEN IN LOW AREAS.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

VENT TO ATMOSPHERE IN AN OPEN AREA.

Handling And Storage Precautions:

DO NOT STORE NEAR COMBUSTIBLE MATERIALS OR IN HOT LOCATIONS. OXYGEN IS AN OXIDIZING GAS & VIGOROUSLY ACCELERATES COMBUSTION.

Other Precautions:

CYLINDERS SHOULD NOT BE DROPPED. KEEP PROPERLY SECURED OR PROTECTED TO PREVENT CYLINDERS FROM BEING KNOCKED OVER. MATERIAL CAN BE STORED OUTSIDE. TEMPERATURES SHOULD BE KEPT BELOW 125F. CYLINDERS SHOULD BE STORED UPRIGHT W/VALVE IN PLACE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NOT APPLICABLE

Autoignition Temp:**Autoignition Temp Text:**

N/R

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

OXYGEN IS NON-FLAMMABLE, VIGOROUSLY ACCELERATES COMBUSTION.

Fire Fighting Procedures:

KEEP CONTAINERS COOL WITH WATER SPRAY. REMOVE SOURCE OF OXYGEN WHICH ACCELERATES COMBUSTION. 4

Unusual Fire/Explosion Hazard:

EXCESSIVE PRESSURE CAN BUILD UP DUE TO HEAT. CONTAINER MAY EXPLODE IF PRESSURE RELIEF DEVICES SHOULD FAIL TO RELIEVE PRESSURE.

Physical/Chemical Properties

HCC:

G4

NRC/State Lic No:

N/R

Net Prop WT For Ammo:**Boiling Point:****B.P. Text:**

N/K

Melt/Freeze Pt:**M.P/F.P Text:**

N/K 5

Decomp Temp:**Decomp Text:**

N/R

N/K**Vapor Density:**

N/K

Volatile Org Content %:**Spec Gravity:**

N/K

VOC Pounds/Gallon:**PH: N/R****VOC Grams/Liter:****Viscosity:**

N/K

Evaporation Rate & Reference:

GAS

Solubility in Water:

N/K

Appearance and Odor:

COLORLESS AND ODORLESS GAS, MAY HAVE SLIGHT ETHERAL ODOR.

Percent Volatiles by Volume:

100

Corrosion Rate:

N/K

Stability Indicator:

YES

Stability Condition To Avoid:

EXCESSIVE HEAT.

Materials To Avoid:

HYDROCARBONS AND OTHER FLAMMABLE MATERIALS.

Hazardous Decomposition Products:

NONE KNOWN.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NONE.

Toxicological Information

Information:

N/P

MSDS/Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

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