

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-100/10028-17-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
10028-17-8

Code:
M

RTECS:

Code:
X

Name:
TRITIUM IN GAS FORM

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
FOLLOW DIRECTIONS OF RPO.FOR MAXIMUM PROTECTION USE MSA COMFO HOOD SELECT-A-SYSTEM.

Ventilation:
LOCAL AND MECHANICAL (GENERAL) FOOD.VENTILATED FUME HOOD.

Protective Gloves:
NEOPRENE GAUNTLET OR RPO INSTRUCTIONS.

Eye Protection:
NOT KNOWN

Other Protective Equipment:
Equipment FOR MAXIMUM PROTECTION USE NUCLEAR COVERALL MDA CAT.39776 OR EQUIVALENT.

Work Hygienic Practices:
CONSULT RADIATION PROTECTION PROGRAM INSTRUCTIONS FROM RPO.

Supplemental Safety and Health:
TRITIUM IS CONTROLLED SUBSTANCE.STATE &/OR NRC LICENSING IS REQUIRED TO HANDLE &/OR POSSESS H*3 IN CONTRS OR SEALED SOURCES.RPO ARE DESIGNATED BY LICENSING BODY TO OVERSEE HANDLING OF H*3 SEALED SOURC ES & TO PROVIDE SAFETY INFO ON H*3 HANDLING.H*3,HANDLING & CONTROL EQUIP TO BE USED BY QUALIFIED PERS.

Health Hazards Data

LD50LC50Mixture:
NOT KNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
MAY BE HAZARD DEPENDING ON DOSAGE AND TOTAL ADDED EXPOSURES.

Explanation Of Carcinogenicity:
MAY BE CARCINOGENIC DEPENDING ON DOSAGE AND TOTAL ADDED EXPOSURES.

Signs And Symptoms Of Overexposure:
2 NO OUTWARD SIGNS NORMALLY.CONSULT RPO FOR DETERMINATION OF EXPOSURE.

Medical Cond Aggravated By Exposure:
UNKNOWN

First Aid:
CONSULT RADIATION PROTECTION OFFICERS (RPO) TO DETERMINE IF EMERGENCY EXISTS AND/OR FIRST AID IS REQUIRED.FOLLOW RPO INSTRUCTIONS.

Spill Release Procedures:
LEAVE AREA IMMEDIATELY.AVOID INHALATION.NOTIFY RPO IMMEDIATELY.

Neutralizing Agent:
NOT KNOWN

Waste Disposal Methods:
DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,STATE,AND LOCAL REGULATIONS.COORDINATE WITH SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL (FP A).RESTRICTED AND CONTROLLED.CON SULT RPO PRIOR TO DISPOSAL.

Handling And Storage Precautions:
PER LICENSE,NRC OR AGREEMENT STATE.AVOID MECHANICAL SHOCK.CONSULT RPO FOR SPECIFIC INSTRUCTIONS.

Other Precautions:
DO NOT HANDLE IN CLOSED AREA.DO NOT EAT,DRINK OR SMOKE IN TRITIUM STORAGE OR HANDLING AREA.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NOT KNOWN

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
4%

Upper Limits:
96%

Extinguishing Media:
3 UNKNOWN

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL TURNOUT GEAR (FP A).CALL TRAINED FIRE FIGHTING UNIT.SMOTHER UNIT WITH SUITABLE AGENT.CONSULT RPO.

Unusual Fire/Explosion Hazard:
UNKNOWN

Physical/Chemical Properties

HCC:
4

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
-245C (EST)

Melt/Freeze Pt:

M.P/F.P Text:
-250C (EST)

Decomp Temp:

Decomp Text:
NOT KNOWN

Vapor Pres:
NOT KNOWN

Vapor Density:
NOT KNOWN

Volatile Org Content %:

Spec Gravity:
0.0695(WATER=1)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT KNOWN

Solubility in Water:
APPROX 2.1 CC/100 CC

Appearance and Odor:
CLEAR GAS ODOR FREE.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
UNKNOWN

Materials To Avoid:
UNKNOWN

Hazardous Decomposition Products:
UNKNOWN

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
UNKNOWN

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