

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

ACGIH STEL:

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 SOURCES & TO PROVIDE SAFETY INFO ON H*3 HANDLING.H*3,HANDLING & CONTROL EQUIP TO BE USED BY QUALIFIED PERS.

Health Hazards Data

LD50/LC50 Mixture:

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.CONSULT 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:

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 IC No:

N/R

Net Prop WT For Ammo:

N/A

Boiling Point:

N/A

B.P/C.T (EST):

-245C/EST

Melt/Freeze Pt:

N/A

M.P/F.P (EST):

-250C/EST

Decomp Temp:

N/A

Decomp Text:

NOT KNOWN

Vapor Pres:

NOT KNOWN

Vapor Density:

NOT KNOWN

Volatile Org Content %:

0.0695(WATER-1)

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VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

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

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

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

Physical/Chemical Properties:

N/A

Environmental Information:

N/A

Health Hazards:

N/A

Ecotoxicity:

N/A

Biodegradation:

N/A

Other Information:

N/A

Other Information:

N/A

Other Information:

N/A

Other Information:

N/A