

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-269/2691-41-0.html> for suppliers of this product.

Composition/Information on Ingredient

2691-41-0
Code:
M

RTECS:
XF7450000
Code:
M

Name:
CYCLOTETRAMETHYLENE TETRANITRAMINE (HMX)

Other REC Limits:
N/K (FP A/ORNL)

OSHA PEL:
N/K (FP A/ORNL)

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K (FP A/ORNL)

Code:
M

ACGIH STEL:
N/P

Code:

Control Measures

NONE

Ventilation:
CONSULT LOCAL SAFETY/HEALTH AUTHORITIES IF ADDITIONAL GUIDANCE IS NEEDED (FP A/ORNL).

Protective Gloves:
NONE

Eye Protection:
5 SAFETY GLASSES

Other Protective Equipment:
Equipment NONE

Work Hygienic Practices:
N/K (FP A/ORNL)

Supplemental Safety and Health:

Health Hazards Data

LD50LC50Mixture:
N/K (FP A/ORNL)

Route Of Entry Inds - Inhalation:
N/P

Skin:
N/P

Ingestion:
N/P

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE.

Explanation Of Carcinogenicity:
NONE

Signs And Symptoms Of Overexposure:
EYES/SKIN/INGESTION/INHALATION:NOT A LIKELY ROUTE OF EXPOSURE.

Medical Cond Aggravated By Exposure:
N/K (FP A/ORNL)

First Aid:
EYES/SKIN/INGESTION:N/A.INHALATION:IF DETONATION FUMES ARE INHALED,REMOVE TO FRESH AIR.IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION,PREFERABLY MOUTH TO MOUTH.IF BREATHING IS DIFFICULT GIVE OXYGEN.CALL A PHYSICIAN.

Spill Release Procedures:
REVIEW FIRE AND EXPLOSION HAZARDS AND SAFETY PRECAUTIONS BEFORE PROCEEDING WITH CLEAN UP.USE APPROPRIATE PERSONAL PROTECTION EQUIPMENT DURING CLEAN UP.

Neutralizing Agent:
N/K (FP A/ORNL)

Waste Disposal Methods:
DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.COORDINATION WITH SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL COORDINATION PRIOR TO DISPOSAL IS RECOMMENDED TO DETERMINE APPROPRIATE DISPOSAL METHODS (FP A). (SEE SUPP)

Handling And Storage Precautions:
4 TRANSPORTATION AND STORAGE MUST BE IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS.

Other Precautions:
REFER TO MANUFACTURER'S INSTRUCTIONS AND WARNINGS SUPPLIED WITH PRODUCT.AVOID BREATHING FUMES OF DETONATION.

Fire and Explosion Hazard Information

Flash Point Method:

Flash Point:

Flash Point Text:
N/A

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K (FP A)

Upper Limits:
N/K (FP A)

Extinguishing Media:
NONE

Fire Fighting Procedures:
DO NOT FIGHT FIRE.ISOLATE AREA.EVACUATE PERSONNEL TO A SAFE PLACE.

Unusual Fire/Explosion Hazard:
MAY DETONATE IF OTHER OUSIDE INFLUENCES ARE PRESENT.HAZARDOUS GASES PRODUCED IN A FIRE ARE NITROGEN OXIDES.

Physical/Chemical Properties

NRC/State LIC No:	
Net Prop WT For Ammo:	
Boiling Point:	
B.P. Text:	
N/A	
Melt/Freeze Pt:	
M.P/F.P Text:	
N/A	
Decomp Temp:	
Decomp Text:	
N/K (FP A)	
Vapor Pres:	
N/A	
Vapor Density:	
N/A	
Volatile Org Content %:	
Spec Gravity:	
N/A	
VOC Pounds/Gallon:	
PH:	N/K
VOC Grams/Liter:	
Viscosity:	
N/P	
Evaporation Rate & Reference:	
N/A	
Solubility in Water:	
N/A	
Appearance and Odor:	
HIGH EXPLO CORE (15-400 GR/FT OF ANY ONE LISTED) TEXTILE PLASTIC WRAPPED.	
Percent Volatiles by Volume:	
N/A	
Corrosion Rate:	
N/K 6	

Reactivity Data

Stability Indicator:

Stability Condition To Avoid:
DETONATING CORDS BECOME LESS STABLE WITH HEAT.UNSTABLE WITH SHOCK.AVOID HEAT.

Materials To Avoid:
INCOMPATIBLE WITH ACIDS,ALKALIES.

Hazardous Decomposition Products:
HAZARDOUS GASES PRODUCES ARE NITROGEN OXIDES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
HEAT,SHOCK.

Toxicological Information

Information:N/P

Information:N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information:N/P

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WARRANTY
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is