

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-112/112-40-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
112-40-3  
**Code:**  
M

**RTECS:**  
JR2125000  
**Code:**  
M

**Name:**  
N-DODECANE OR DODECANE

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
2 NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
4 NONE NORMALLY REQUIRED.

**Ventilation:**  
USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

**Protective Gloves:**  
CHEMICAL RESISTANT-PVA, NITRILE.

**Eye Protection:**  
SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

**Other Protective Equipment:**  
Equipment FULL FACE SHIELD. DLA-HMIS: EYE WASH STATION SAFETY SHOWER.

**Work Hygienic Practices:**  
WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**  
MSDS PRESENTED BY CAGE 07XT7 FOR SOLICITATION SP0450-97-QN227/CONTRACT SP0450-97-MN349. OTHER HEALTH DATA: TERATOGEN-THIS PRODUCT DOES NOT CONTAIN ANY KNOWN INGREDIENTS KNOWN TO PRODUCE BIRTH DEFECTS. REPRODUCTIVE INFO-THIS PRODUCT DOES NOT CONTAIN ANY KNOWN INGREDIENTS TO CAUSE HARMFUL REPRODUCTIVE EFFECTS.

## Health Hazards Data

**LD50LC50Mixture:**  
NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE: MAY CAUSE SKIN AND EYE IRRITATION. INHALATION OF VAPOR/MIST MAY CAUSE IRRITATION OF THE BRONCHIAL MEMBRANES. INGESTION MAY CAUSE IRRITATION/BURNS TO DIGESTIVE SYSTEM. CHRONIC: PROLONGED/REPEATED EXPOSURE MAY CAUSE CONJUNCTIVITIS, DERMATITIS.

**Explanation Of Carcinogenicity:**  
NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

**Signs And Symptions Of Overexposure:**  
EYES-REDNESS, STINGING, BURNING. SKIN-REDNESS, FLAKING, DRYING OF SKIN. INGESTION-NAUSEA, VOMITING, DIARRHEA. INHALATION-IRRITATION OF BRONCHIAL MEMBRANES.

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
INHALATION-REMOVE TO FRESH AIR. ADMINISTER OXYGEN. SEEK MEDICAL HELP. EYES-FLUSH WITH WATER. SEEK MEDICAL HELP. SKIN-FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHES. SEEK MEDICAL ASSISTANCE IF SKIN IRRITATION DEVELOPS. INGESTION-IF CONSCIOUS, GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING! SEEK MEDICAL ATTENTION. NOTE TO PHYSICIAN: ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS/SYMPTOMS.

**Spill Release Procedures:**  
3 ABSORB ON FIRE RETARDANT MATERIAL. PICK & DISPOSE OF AT APPROPRIATE WASTE FACILITY IAW LOCAL, STATE AND FEDERAL REGULATIONS. REPORT SPILL TO APPROPRIATE AUTHORITIES.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
THIS PRODUCT IS SUITABLE FOR DISPOSAL BY AN APPROVED FACILITY OR CAN BE DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE SITE.

**Handling And Storage Precautions:**  
STORE IN A COOL, DRY PLACE. STORE ON A WELL-VENTILATED AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR FOOD.

**Other Precautions:**  
KEEP AWAY FROM SPARKS, FLAME, HEAT. BOND & GROUND DURING TRANSFER.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC

**Flash Point:**

**Flash Point Text:**  
>192F,>89C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/R

**Lower Limits:**  
UNKNOWN

**Upper Limits:**  
UNKNOWN

**Extinguishing Media:**  
WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

**Fire Fighting Procedures:**  
DO NOT SPRAY WATER DIRECTLY ON FIRE-PRODUCT WILL FLOAT & COULD BE RE-IGNITED ON THE SURFACE OF THE WATER. WEAR SELF-CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**  
NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:**  
V4

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
434F,223C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
<-30F,<-34C

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
0.012

**Vapor Density:**  
>1.5

**Volatile Org Content %:**

**Spec Gravity:**  
0.78

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
UNKNOWN

**Evaporation Rate & Reference:**

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
CLEAR LIQUID; MILD ODOR.

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.

**Materials To Avoid:**  
ACIDS, REDOX AGENTS.

**Hazardous Decomposition Products:**  
OXIDES OF CARBON.

**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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