

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-113/113-48-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
113-48-4

**Code:**  
F

**RTECS:**  
RB8575000

**Code:**  
T

**Name:**  
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE Environment

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
5000 PPM

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
5000PPM/30000STEL;94

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
NOT REQUIRED. AVOID INHALATION OF VAPORS.

**Ventilation:**  
5 LOCAL EXHAUST AND MECHANICAL: AS REQUIRED TO MEET TLV.

**Protective Gloves:**  
CHEMICAL RESISTANT.

**Eye Protection:**  
FACE SHIELD, SAFETY GLASSES OR GOGGLES.

**Other Protective Equipment:**  
Equipment WEAR LONG PANTS, LONG SLEEVED SHIRT OR OTHER BODY COVERING. AVOID SKIN OR EYE CONTACT.

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING.

**Supplemental Safety and Health:**  
NONE

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT) IS UNKNOWN

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE EXPOSURE MAY LEAD TO IRRITATION OF EYES AND MUCOUS AND NERVOUS SYSTEM SYMPTOMS. CHRONIC EFFECTS: AT HIGH ORAL DOSES, THE TYPE OF SOLVENT IN THIS PRODUCT HAS CAUSED IRREVERSIBLE DAMAGE TO THE LIV ER & KIDNEY (MALE ONLY) IN RATS. THESE EFFECTS ARE NOT RELEVANT TO HUMANS AT OCCUPATIONAL LEVELS OF EXPOSURE.

**Explanation Of Carcinogenicity:**  
NOT CARCINOGENIC.

**Signs And Symptions Of Overexposure:**  
IRRITATION OF EYES AND MUCOSA, HYPEREXCITABILITY, UNCOORDINATION, DIARRHEA, CHRONIC CONVULSIONS.

**Medical Cond Aggravated By Exposure:**  
NONE KNOWN.

**First Aid:**  
IF SWALLOWED, CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE VOMITING. VOMITING MAY CAUSE ASPIRATION PNEUMONIA. IF INHALED, REMOVE VICTIM TO FRESH AIR. IF ON SKIN, REMOVE CONTAMINATED CLOTHING & WASH AFFECTED AREA WITH SOAP & WATER. IF IN EYES, FLUSH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN IMMEDIATELY IF IRRITATION PERSIST.

**Spill Release Procedures:**  
TAKE CARE TO AVOID CONTACT WITH PESTICIDE AND WEAR PROTECTIVE EQUIPMENT TO PREVENT CONTACT WITH THE PRODUCT OR ITS VAPORS. COVER THE SPILLED AREA WITH GENEROUS AMOUNTS OF ABSORBENT MATERIAL (CLAY, DIA TOMACEOUS EARTH, SAND, SAWDUST). SWEEP THE CONTAMINANT ONTO SHOVEL & PUT INTO SALVAGE DRUM.

**Neutralizing Agent:**  
N/R 4

**Waste Disposal Methods:**  
WASTE RESULTING FROM THE USE OF THIS PRODUCT MAY BE DISPOSED OF ON SITE OR AT AN APPROVED WASTE DISPOSAL FACILITY. TRIPLE RINSE CONTAINER. THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AN D DISPOSE OF IN A SANITARY LANDFILL, OR BY OTHER PROCEDURES APPROVED BY STATE & LOCAL AUTHORITIES.

**Handling And Storage Precautions:**  
DO NOT USE, POUR OR SPILL NEAR HEAT OR OPEN FLAME. EXPOSURE TO TEMPERATURES ABOVE 130F MAY CAUSE BURSTING. KEEP OUT OF REACH OF CHILDREN, DOMESTIC ANIMALS & PETS.

**Other Precautions:**  
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. PERIODICALLY INSPECT STORED MATERIAL. DO NOT CONTAMINATE THE ENVIRONMENT THROUGH IMPROPER DISPOSAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
CC

**Flash Point:**  
=63.3C, 146.F

**Flash Point Text:**  
FOR SOLVENT

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/P

**Lower Limits:**  
0.6, SOLVENT

**Upper Limits:**  
7.0, SOLVENT

**Extinguishing Media:**  
CARBON DIOXIDE, FOAM, DRY CHEMICAL, SAND.

**Fire Fighting Procedures:**  
DO NOT INHALE VAPOR. USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. THIS PRODUCT IS TOXIC TO FISH, BIRDS, AND OTHER WILDLIFE. PREVENT SPREAD OF CONTAMINATED RUN-OFF.

**Unusual Fire/Explosion Hazard:**  
COMBUSTIBLE LIQUID. KEEP CONTAINERS COOL TO AVOID EXPLOSIVE IGNITION.

## Physical/Chemical Properties

**HCC:**  
T5

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

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/P

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/P

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
N/P

**Vapor Density:**  
N/P

**Volatile Org Content %:**

**Spec Gravity:**  
0.8290

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P 6

**Evaporation Rate & Reference:**  
N/P

**Solubility in Water:**  
VIRTUALLY INSOLUBLE

**Appearance and Odor:**  
YELLOW TO AMBER LIQUID, PLESANT WOODY ODOR.

**Percent Volatiles by Volume:**  
N/P

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE

**Materials To Avoid:**  
STRONG ACIDS AND ALKALIES.

**Hazardous Decomposition Products:**  
NONE

**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