

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-108/108-08-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
108-08-7  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
2,4-DIMETHYLPENTANE

**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:**  
NONE NORMALLY REQUIRED. DLA-HMIS: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 19 10.134.

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

**Protective Gloves:**  
NEOPRENE OR VITON.

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

**Other Protective Equipment:**  
Equipment DLA-HMIS: EYE WASH STATION &SAFETY SHOWER.

**Work Hygienic Practices:**  
USE GOOD PERSONAL HYGIENE AND GOOD HOUSEKEEPING PRACTICES.

**Supplemental Safety and Health:**  
MSDS REPRESENTS 1% OR LESS OF WHAT THIS NSN IS. VENDOR PROVIDED 2 MSDS'S: 1 FOR COMPRESSED AIR UNDER CAGE 17688 AND THIS MSDS FOR HEXANE BY CAGE 46916. NSN IS A MIXTURE OF AIR (99.5%) AND HEXANE (0.5%) .

## Health Hazards Data

**LD50LC50Mixture:**  
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: MAY BE HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH THE SKIN; MAY CAUSE CNS DEPRESSION. INHALATION MAY CAUSE RESPIRATORY IRRITATION. CONTACT MAY CAUSE SKIN AND EYE IRRITATION. INGESTION MA Y CAUSE GI TRACT IRRITATION.ASPIRATION MAY CAUSE CHEMICAL PNEUMONITIS.CHRONIC:PROLONGED/REPEATED EXPOSURE MAY DAMAGE CNS

**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:**  
CNS DEPRESSION: DIZZINESS, HEADACHE, EXCITATION, NAUSEA, VOMITING, UNCONSCIOUSNESS. INHALED-COUGHING, WHEEZING, SHORTNESS OF BREATH. SKIN-REDNESS, DISCOMFORT. EYES: REDNESS, DISCOMFORT, TEARING, BLURR ED VISION. INGESTED: NAUSEA, VOMITING, DIARRHEA.

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

**First Aid:**  
EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS/PERSISTS. SKIN-WASH WITH SOAP & WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS/PERSISTS. INHALED-REMOV E FROM EXPOSURE. GIVE OXYGEN IF BREATHING DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF BREATHING SS. SEEK IMMEDIATE MEDICAL AID. INGESTED-DO NOT INDUCE VOMITING! SEEK IMMEDIATE MEDICAL AID.

**Spill Release Procedures:**  
EVACUATE ALL UNNECESSARY PERSONNEL. WEAR PROTECTIVE EQUIPMENT/CLOTHING IF WARRANTED. SHUT OFF SOURCE OF LEAK IF FEASIBLE. KEEP OUT OF SEWERS AND WATER SOURCES. ABSORB ON DRY, INERT MATERIAL. TRANSFER TO DISPOSAL DRUMS USING NON-SPARKING EQUIPMENT.

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

**Waste Disposal Methods:**  
INCINERATE OR PLACE IN PERMITTED WASTE MANAGEMENT FACILITY. RCRA WASTE NUMBER D001 MAY APPLY TO UNUSED/UNCONTAMINATED PRODUCT. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGU LATIONS.

**Handling And Storage Precautions:**  
STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS.

**Other Precautions:**  
DO NOT SWALLOW. DO NOT GET IN EYES, ON SKIN OR CLOTHES. DO NOT BREATH VAPORS, MIST, FUME OR DUST. MAY BE ASPIRATED INTO LUNGS. WEAR PROPER PROTETCIVE EQUIPMENT/CLOTHES IF NEEDED. WASH HANDS THOROUGHLY AFTER HANDLING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC

**Flash Point:**

**Flash Point Text:**  
-10F,-23C

**Autoignition Temp:**

**Autoignition Temp Text:**  
UNKNON 3

**Lower Limits:**  
1.2

**Upper Limits:**  
7.7

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

**Fire Fighting Procedures:**  
EVACUATE ALL UNNECESSARY PERSONNEL. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER AND EQUIPMENT.

**Unusual Fire/Explosion Hazard:**  
HIGHLY FLAMMABLE VAPORS WHICH ARE HEAVIER THAN AIR MAY ACCUMULATE IN LOW AREAS AND/OR SPREAD ALONG GROUND AWAY FROM HANDLING SITE, FLASH BACK ALONG VAPOR TRAIL.

## Physical/Chemical Properties

**HCC:**  
G3

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

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
152F,67C

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
129.3

**Vapor Density:**  
3

**Volatile Org Content %:**

**Spec Gravity:**  
0.664

**VOC Pounds/Gallon:**

**PH:** N/K 4

**VOC Grams/Liter:**

**Viscosity:**  
0.4 CST @100F

**Evaporation Rate & Reference:**  
0.3 (N-BUTYL ACETATE=1)

**Solubility in Water:**  
NEGLIGIBLE

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

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NOT APPLICABLE. DLA-HMIS: AVOID SOURCES OF IGNITION.

**Materials To Avoid:**  
OXYGEN AND STRONG OXIDIZING AGENTS.

**Hazardous Decomposition Products:**  
CARBON OXIDES ARE FORMED WHEN BURNED.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT OCCUR.

## 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