

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-141/141-04-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
141-04-8  
**Code:**  
M

**RTECS:**  
AV1480000  
**Code:**  
M

**Name:**  
DIISOBUTYL APIDATE, DIISOBUTYL ESTER APIDIC ACID

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
USE NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION ISN'T SUFFICENT. 5

**Ventilation:**  
MECHANICAL (GENERAL) SHOULD HAVE AN AIRFLOW OF 55 CFM<.

**Protective Gloves:**  
CHEMICALLY RESISTANT

**Eye Protection:**  
SAFETY GLASSES/GOGGLES

**Other Protective Equipment:**  
Equipment EYE BATH.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
ORAL LD50 INFORMATION IS FOR DIISOBUTYL DIBASIC ACID ESTERS.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50(RAT): 8200 MG/KG (SEE SUPP)

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: IRRITATION OF THE UPPER RESPIRATORY PASSAGES. INGESTION: IRRITATION OF THE MOUTH, THROAT & GI TRACT. SKIN: IRRITATION & DERMATITIS. EYES: IRRITATION.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
IRRITATION, DISCOMFORT, NAUSEA, HEADACHE, DIARRHEA, THIRST, WEAKNESS, RASH, TEARING/BLURRING OF VISION.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN, IF NEEDED. INGESTION: DON'T INDUCE VOMITING. IMMEDIATELY GIVE 2 GLASSES OF WATER. SKIN: THOROUGHLY WASH AREA W/SOAP & WATER; USE CREAM IF IRRITATION I S SEVERE. EYES: IMMEDIATELY FLUSH W/WATER FOR 15 MINS. OBTAIN MEDICAL ATTETNION IN ALL CASES.

**Spill Release Procedures:**  
ABSORB W/INERT MATERIAL, THEN PLACE IN CHEMICAL WASTE CONTAINER. LARGE: DIKE FOR LATER DISPOSAL. 4

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
WASTE TREAT/INCINERATE USED MATERIAL IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN ORIGINAL CONTAINER, PREFERABLY IN A COOL, VENTILATED, FIRE-RESISTANT BUILDING. AVOID OVERHEATING/FREEZING.

**Other Precautions:**  
SINCE EMTPY CONTAINERS MAY RETAIN PRODUCT RESIDUES ALL LABEL PRECAUTIONS MUST BE OBSERVED. ALKYLOXY POLYETHYLENE OXYETHANOL IS EXPECTED TO BE TOXIC TO FISH AT CONCENTRATIONS >1-10 MG/L.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
PMCC

**Flash Point:**

**Flash Point Text:**  
205F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
1

**Upper Limits:**  
6

**Extinguishing Media:**  
WATER, CHEMICAL FOAM, DRY CHEMICAL, CO2. CLASS BC, ABC FIRE EXTINGUISHER.

**Fire Fighting Procedures:**  
WEAR SCBA & PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**  
COMBUSTIBLE. HEATING CAN RELEASE VAPORS WHICH CAN BE IGNITED.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
430-563F

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
<0.1

**Vapor Density:**  
6.7

**Volatile Org Content %:**

**Spec Gravity:**  
0.85

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P 6

**Evaporation Rate & Reference:**  
(BU AC = 1):

**Solubility in Water:**

**Appearance and Odor:**  
COLORLESS TO LIGHT YELLOW LIQUID W/A MILD HYDROCARBON ODOR

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
TEMPS >400F, HEAT, SPARKS, FLAMES, OVERHEATING, FREEZING.

**Materials To Avoid:**  
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.

**Hazardous Decomposition Products:**  
NONE, OTHER THAN NORMAL PRODUCT OF COMBUSTION.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## 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