

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-169/16958-92-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
16958-92-2

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
DIBASIC ACID ESTER BLEND (INGREDIENTS 1 AND 2 TOT

**Other REC Limits:**  
NONE SPECIFIED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
USE NIOSH/MSHA APPROVED AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES OR AN ATMOSPHERE-SUPPLYING RESPIRATOR IF REQUIRED. PROTECTION IS NOT REQUIRED UNDER NORMAL USE CONDITIONS. 5

**Ventilation:**  
NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE. MECHANICAL EXHAUST RECOMMENDED IF USED IN ENCLOSED AREA.

**Protective Gloves:**  
CHEMICAL RESISTANT GLOVES (NITRILE BEST)

**Eye Protection:**  
WEAR CHEMICAL SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment WEAR PROTECTIVE CLOTHING, APRON AND BOOTS AS REQUIRED TO MINIMIZE SKIN CONTACT.

**Work Hygienic Practices:**  
MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DIRNKING, SMOKING OR USING TOILET FACILITIES.

**Supplemental Safety and Health:**  
THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING SURFACE WATERS OR ANY WATER COURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. 800-424-8602

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT) IS > 15 G/KG ESTIMATED

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
SLIGHT SKIN IRRITATION. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONIA

**Explanation Of Carcinogenicity:**  
IARC HAS DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY IN EXPERIMENTAL ANIMALS OF USED MOTOR OIL.

**Signs And Symptions Of Overexposure:**  
GENERALLY CONSIDERED MINIMALLY IRRITATING TO THE EYES AND MILDLY IRRITATIONG TO THE SKIN. PROLONGED AND REPEATED CONTACT MAY RESULT IN VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR OIL AC NE. INHALATION OF VAPOR OR OIL MIST MAYCAUSE MILD UPPER RESPIRATORY TRACT IRRITATION. SLIGHTLY TOXIC IF SWALLOWED.

**Medical Cond Aggravated By Exposure:**  
PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

**First Aid:**  
SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: MAY ACT AS A LAXATIVE. DO NOT INDUCE VOMITING. RELATIVELY NON-TOXIC UNLESS ASPIRATED.

**Spill Release Procedures:**  
CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES, REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKE D UP USING VACUUM PUMPS, SHOVELS, BUCKETS, ETC.

**Neutralizing Agent:**  
4 NOT APPLICABLE

**Waste Disposal Methods:**  
WASTE MAY BE BURNED IN AN APPROVED INCINERATOR OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. RECYCLE IF POSSIBLE.

**Handling And Storage Precautions:**  
DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. COMBUSTIBLE LIQUID.

**Other Precautions:**  
MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICL ES THAT CAN NOT BE DECONTAMINATED.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
COC

**Flash Point:**

**Flash Point Text:**  
>425F,>218C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
0.6 %

**Upper Limits:**  
7.0 %

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

**Fire Fighting Procedures:**  
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

**Unusual Fire/Explosion Hazard:**  
COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. WATER MAY CAUSE FROTHING. PREVENT RUNOFF FROM ENTERING STREAMS OR WATERWAYS

## Physical/Chemical Properties

**HCC:**  
V6

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

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>600F,>316C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
NOT GIVEN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
< 1

**Vapor Density:**  
NOT GIVEN

**Volatile Org Content %:**

**Spec Gravity:**  
0.857

**VOC Pounds/Gallon:**  
6

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
NOT GIVEN

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
STRAW COLORED LIQUID, MILD ODOR

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

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

**Materials To Avoid:**  
STRONG OXIDIZING AGENTS

**Hazardous Decomposition Products:**  
CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE. 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