

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-862/86290-81-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

86290-81-5

**Code:**

M

**RTECS:**

DE3550000

**Code:**

M

**Name:**

GASOLINE (INCLUDE INGREDIENTS LISTED BELOW)

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

300 PPM

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

300 PPM

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NIOSH/MSHA RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE APPROPRIATE FOR EXPOSURE OF CONCERN OR SCBA IF TLV IS EXCEEDED.

**Ventilation:**

SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION. USE EXPLOSION-PROOF EQUIPMENT.

**Protective Gloves:**

VITON, NITRILE, PVA.

**Eye Protection:**

SAFETY GLASSES WITH SIDE SHIELDS. 5

**Other Protective Equipment:**

Equipment FULL BODY LONG-SLEEVED GARMENTS TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYE WASH STATION AND SAFETY SHOWER.

**Work Hygienic Practices:**

AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE VAPORS. WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING.

**Supplemental Safety and Health:**

THESE PRECAUTIONS ARE FOR NORMAL USES AND CONDITIONS. WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST, CONSULT AN INDUSTRIAL HYGIENIST. RCRA CLASSIFICATION IGNITABLE (D001). EP TOXIC (U019).

## Health Hazards Data

**LD50/LC50 Mixture:**

LD50 ORAL RAT IS UNKNOWN

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

YES

**Health Hazards Acute And Chronic:**

ACUTE: IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS. GASOLINE IF SWALLOWED, MAY BE ASPIRATED INTO LUNGS, RESULTING IN PULMONARY EDEMA AND CHEMICAL PNEUMONITIS. CHRONIC: BENZENE IS A CONFIRMED CARCINOGEN AND MAY PRODUCE BLOOD CHANGES. PROLONGED EXPOSURE TO HIGH CONCENTRATIONS HAS CAUSED KIDNEY AND LIVER CANCER IN RAT/MICE

**Explanation Of Carcinogenicity:**

BENZENE IS A CONFIRMED CARCINOGEN BY NTP, IARC AND OSHA.

**Signs And Symptoms Of Overexposure:**

EYES: IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN: IRRITATION, DEFATTING, DERMATITIS. INHALATION: NASAL AND RESPIRATORY IRRITATION, HEADACHE, NAUSEA, WEAKNESS, SEDATION, UNCONSCIOUSNESS, ASPHYXIA. INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, SAME SYMPTOMS AS INHALATION.

**Medical Cond Aggravated By Exposure:**

INDIVIDUALS WITH A HISTORY OF SKIN, RESPIRATORY OR CENTRAL NERVOUS SYSTEM DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

**First Aid:**

EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

**Spill Release Procedures:**

4 ELIMINATE IGNITION SOURCES. VENTILATE AREA. USE NON-SPARKING TOOLS. WEAR PROPER PROTECTIVE EQUIPMENT. S LEAK AND CONTAIN SPILL. ABSORB IN INERT ABSORBENT AND PLACE INTO APPROPRIATE DISPOSAL CONTAINER AND SEAL. WASH AREA WITH PLENTY OF WATER.

**Neutralizing Agent:**

NOT APPLICABLE

**Waste Disposal Methods:**

CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

**Handling And Storage Precautions:**

STORE IN COOL, DRY, WELL VENTILATED PLACE, AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

**Other Precautions:**

AVOID BREATHING VAPORS, AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT SIPHON BY MOUTH. BOND AND GROUND CONTAINERS DURING TRANSFER. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

## Fire and Explosion Hazard Information

**Flash Point Method:**

TCC

**Flash Point:****Flash Point Text:**

<-40F, <-40C

**Autoignition Temp:****Autoignition Temp Text:**

N/A

**Lower Limits:**

1.5

**Upper Limits:**

7.6

**Extinguishing Media:**

USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT USE DIRECT WATER STREAM.

**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:**

EXTREMELY FLAMMABLE. VAPORS CAN TRAVEL ALONG GROUND AND FLASHBACK EXPLOSIVELY. CONTAINERS MAY BURST WITH HEAT OF FIRE. COMBUSTION MAY PRODUCE TOXIC GASES.

## Physical/Chemical Properties

**HCC:**

F2

**NRC/State Lic No:**

N/R

**Net Prop WT For Ammo:**

N/A

**Boiling Point:**

N/A

**B.P. Text:**

<100F, <38C

**Melt/Freeze Pt:**

N/A

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

N/A

**Decomp Temp:**

N/A

**Decomp Text:**

N/A

**Vapor Pres:**

N/A

**Vapor Density:**

>3

**Volatile Org Content %:**

N/A

**Spec Gravity:**

>0.70

**VOC Pounds/Gallon:**

N/A

**PH: N/R****VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/A

**Solubility in Water:**

SLIGHT

**Appearance and Odor:**

CLEAR LIQUID WITH AROMATIC ODOR.

**Percent Volatiles by Volume:**

100

**Corrosion Rate:**

UNKNOWN

**Conditions To Avoid Polymerization:**

NOT APPLICABLE

## 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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