

# MATERIAL SAFETY DATA SHEET

Klotz Special Formula Products, Inc.  
PO Box 11343  
Fort Wayne, IN 46857

TELEPHONE NUMBERS:  
Klotz: 219-749-0489

BC 175  
BC 171

## SECTION I - IDENTIFICATION

### CHEMICAL NAME & SYNONYMS:

Synthetic Castor Lubricant

### TRADE NAME:

Klotz Bean Oil BC-175, BC-171

**CHEMICAL FAMILY:** Refined Castor Oil

## SECTION II - HAZARDOUS COMPONENTS

NOT APPLICABLE

## SECTION III - PHYSICAL DATA

### BOILING RANGE:

N/A

### EVAPORATION RATE:

N/A

### VAPOR DENSITY:

N/A

### % VOLATILE BY VOL:

N/A

### WEIGHT PER GAL:

7.95

### SPECIFIC GRAVITY:

0.959

**APPEARANCE:** Red Liquid

## SECTION IV - FIRE & EXPLOSION HAZARD INFORMATION

### DOT CATEGORY

N/A

### FLASH POINT

555°F (C.C)

### LEL

N/A

**EXTINGUISHING MEDIA:** Water Fog, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE & EXPLOSION HAZARDS:** None

**SPECIFIC FIRE FIGHTING PROCEDURES:** None

## SECTION V - REACTIVITY DATA

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Keep from contact with oxidizing materials.

### HAZARDOUS DECOMPOSITION PRODUCTS

None Known

### INCOMPATIBILITY

(Materials to Avoid) None

## SECTION VI - SPILL, LEAK, & DISPOSAL PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Soak up spill with sand, earth, sawdust. Flush with detergent and water.

**WASTE DISPOSAL METHOD:** Dispose in accordance with Federal, State, and Local regulations.

## SECTION VII - HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE:** None Known

## SECTION VIII - FIRST AID PROCEDURES

**EYES:** Flush with plenty of water

## SECTION IX - SPECIAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION

None

### PROTECTIVE GLOVES

None

### VENTILATION

None

## SECTION X - DOT TRANSPORTATION

DOT NOT REGULATED

NOT A MARINE POLLUTANT



# **KLOTZ™ MATERIAL SAFETY DATA**

P. O. BOX 11343 • FORT WAYNE, INDIANA 46857

TRADE NAME -- Gold Formula Part #GL-150, Gold Formula Concentrate Part #GL-151

## **SECTION 1 - IDENTITY**

Product Name: NITROBENZENE

Synonyms: NITROBENZOL, OIL OF MIRBANE

CAS #: 98-95-3

Chemical Family: NITRATED AROMATIC

Formula: C6 H5 NO2

## **SECTION 2 - HAZARDOUS INGREDIENTS**

COMPONENT	%	TLV
Nitrobenzene		1ppm

## **SECTION 3 - PHYSICAL & CHEMICAL DATA**

Boiling Point: 412 °F	Vapor Density (air=1): 4.2
Specific Gravity: 1.199	Percent Volatile: 100
Evaporation Rate: UNKNOWN	Vapor Pressure(mm Hg): 50 AT 248 °F
Solubility in Water: MODERATE	Reactivity in Water: NONE

Appearance and Odor: PALE YELLOW LIQUID WITH BITTER ALMOND ODOR

Flash Point: 190 °F Flammable Limits--Lower: 1.8% Upper: UNKNOWN

Auto-Ignition Temperature: 900 F

Extinguishing Media: WATER FOG, FOAM, CO2, DRY CHEMICAL

Special Fire Fighting Procedures: ISOLATE AREA AND DENY ENTRY TO UNNECESSARY PERSONNEL, WEAR FULL PROTECTIVE CLOTHING INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS, STAY UPWIND AND OUT OF LOW AREAS.

Unusual Fire and Explosion Hazards: TOXIC VAPORS MAY BE GENERATED IN A FIRE.

## SECTION 4 - PHYSICAL HAZARDS

Stability: STABLE

Incompatibility: STRONG OXIDIZING AGENTS (ACIDS, PEROXIDES, OZONE)

Hazardous Decomposition Products: TOXIC FUMES MAY BE GENERATED IN A FIRE

Hazardous Polymerization Will: NOT OCCUR

## SECTION 5 - HEALTH HAZARDS

Signs and Symptoms of Exposure

Acute: CYANOSIS-A PURPLISH BLUE COLOR OF THE SKIN

Chronic: ANEMIA, MAY PRODUCE LIVER DISORDERS

Medical Conditions Aggravated by Exposure: INFORMATION NOT AVAILABLE

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program: NO

I.R.A.C Monographs: NO

OSHA: NO

OSHA Permissible Exposure Limit: 1ppm SKIN

ACGIH Threshold Limit: 1ppm

Other Exposure Limit Used: NONE KNOWN

Emergency and First Aid Procedures

Inhalation: REMOVE TO FRESH AIR, ADMINISTER OXYGEN, GET MEDICAL ATTENTION

Eyes: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS

Skin: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER

Ingestion: GIVE TWO GLASSES OF WATER, AND INDUCE VOMITING

## SECTION 6 - SPECIAL PROTECTION

Respiratory Protection: A NIOSH/OSHA APPROVED AIR SUPPLIED RESPIRATORY IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

Ventilation: USE ADEQUATE VENTILATION; REMOVE VAPORS FROM LOWER AREAS.

Protective Gloves: USE VITON OR PVA

Eye Protection: WEAR CHEMICAL SAFETY GOGGLES

Other Protective Equipment: PREVENT REPEATED SKIN CONTACT BY WEARING IMPERVIOUS CLOTHING AND BOOTS.

## SECTION 7 - SPECIAL PRECAUTIONS

Storage and Handling: CONTAINERS OF THIS PRODUCT MAY BE HAZARDOUS WHEN EMPTY SINCE CONTAINERS MAY RETAIN PRODUCT RESIDUE (VAPOR, LIQUID, SOLID)

Other Precautions: DO NOT BREATHE VAPOR, DO NOT GET INTO EYES, ON SKIN, OR CLOTHING. KEEP CONTAINER CLOSED; USE WITH ADEQUATE VENTILATION

Material Release: SMALL SPILLS-SOAK UP WITH DIRT OR SAND AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGE SPILLS-DIKE AHEAD OF SPILL.

Waste Disposal Methods: CONSULT AND FOLLOW CURRENT REGULATIONS.

## SECTION 8 - ADDITIONAL INFORMATION

Hazard Rating: HEALTH 3 FIRE 2 REACTIVITY 0

0=None 1=Slight 2=Moderate 3=High 4=Extreme