

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-95/95-13-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

95-13-6

**Code:**

M

**RTECS:**

NK8225000

**Code:**

M

**Name:**

INDENE

**Other REC Limits:**

N/K

**OSHA PEL:**

10 PPM

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

10 PPM; 9192

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE MSHA/NIOSH APPROVED UNITS PER CURRENT 29CFR1910.134 & MFR'S "INSTRUCTIONS" & "WARNINGS". COMBINATION FILTER/ ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE USED. FULL-FACE PIECE RESPIRATORY PROTECTIVE UNITS REQUIRED.

**Ventilation:**

GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW CURRENT EXPOSURE LIMITS.

**Protective Gloves:**

INDUSTRIAL RESISTANT FLEXIBLE-TYPE 6

**Eye Protection:**

INDUSTRIAL SAFETY GLASSES, MINIMUM

**Other Protective Equipment:**

Equipment INDUSTRIAL TYPE WORK CLOTHING AND SAFETY FOOTWEAR. DEPENDING ON WORKING CONDITIONS, I.E., CONTACT POTENTIAL, WEAR (SUP)

**Work Hygienic Practices:**

WASH EXPOSED AREAS PROMPT THOROUGH AFTER SKIN CONTACT BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR REST ROOMS.

**Supplemental Safety and Health:**

IMPERVIOUS PROTECTIVE GARMENTS SUCH AS HEAD/ NECK COVER, APRONS, JACKETS, PANTS, COVERALLS, BOOTS, ETC. DO NOT TAKE INTERNALLY.

## Health Hazards Data

**LD50/LC50 Mixture:**

N/K

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

YES 4

**Health Hazards Acute And Chronic:**

MATERIAL CAN BE ABSORBED THROUGH THE SKIN PRODUCING INTERNAL ORGAN DAMAGE & POSSIBLE DEATH. REPEATED AND/OR PROLONGED CONTACT MAY CAUSE SERIOUS SKIN DISORDERS INCLUDING CANCER. CHRONIC OVEREXPOSURE BY INHALATION MAY LEAD TO LEUKEMIA. INGESTION OF MATERIAL MAY CAUSE GASTROINTESTINAL DISTURBANCES.

**Explanation Of Carcinogenicity:**

BENZENE-IARC LISTS AS CARCIN IN HUMANS ALSO LISTED IN NTP 3RD ANNUAL REPORT ON CARCINOGENS & IN OSHA SUBPART Z TABLE.

**Signs And Symptoms Of Overexposure:**

DRY VAPOR CAN CAUSE IRRITATION AND/OR CORNEAL CHANGES. DIRECT EYE CONTACT, IRRITATION. SKIN CAN BE ABSORBED THROUGH THE SKIN PRODUCING INTERNAL ORGAN DAMAGE AND POSSIBLY DEATH. INHALE- OVEREXPOSURE TO VA POR MAY RESULT IN RESPIRATORY TRACT IRRITATION. INGESTION- GASTROINTESTINAL DISTURBANCES.

**Medical Cond Aggravated By Exposure:**

PERSONS WITH DISEASE OF LIVER, KIDNEY, SKIN, EYE, CNS, RESPIRATORY SYSTEM, BLOOD FORMING ORGANS, OR WITH BLEEDING ABNORMALITIES ARE AT A GREATER THAN NORMAL RISK OF DEVELOPING ADVERSE HEALTH EFFECTS.

**First Aid:**

EYE-IMMED FLUSH W/LGE AMTS OF WATER FOR 15 MIN. SEEK MED AID. SKIN- WASH THOROUGHLY W/SOAP & WATER OR WATERLESS HAND CLEANER. MOLTEN PROD CONTACT- DO NOT REMOVE CONTAM CLOTH. FLUSH SKIN IMMED W/ LGE AMTS OF COLD WATER. SEEK MED AID. INHALE- REMOVE FROM EXPOSURE. IF BREATH HAS SPED OR IS DIFFICULT, ADMIN ARTIF RESPIR OR OXY. SEEK MED AID. INGEST- DO NOT INDUCE VOMIT. GIVE 1 TO 2 GLASSES OF MILK. SEEK MED AID.

**Spill Release Procedures:**

S LEAK IF NO RISK INVOLVED. STAY UPWIND. SMALL SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL. FLUSH AREA WITH WATER. DIKE LARGE SPILLS FOR LATER DISPOSAL. CONTAIN RUNOFF FROM FIRE CONTROL AND DILUTION WATER.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

PRODUCT IS USA DEFINED IGNITABLE HAZ WASTE. DISPOSE OF AS AN IGNITABLE HAZ WASTE IAW LOCAL, STATE & FED REGS. PLACE IN TIGHTLY SEALED LABELED CONTAINER THIS PRODUCT RELEASED INTO THE ENVIRON MUST BE REPORTED TO NRC (1-800-424-8802). RQ IS 100 LBS.

**Handling And Storage Precautions:**

5 STORE IAW OSHA 1910.106. KEEP IN CLOSED, LABELED CONTAINER WITHIN A COOL, DRY, VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE.

**Other Precautions:**

DO NOT USE UNTIL MANUFACTURER'S PRECAUTIONS HAVE BEEN READ/UNDERSTOOD. DO NOT WEAR CONTACT LENS WITHOUT PROPER EYE PROTECTION.

## Fire and Explosion Hazard Information

**Flash Point Method:**

PMCC

**Flash Point:**

**Flash Point Text:**

100F-38C

**Autoignition Temp:**

**Autoignition Temp Text:**

N/K

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER SPRAY. WATER OR FOAM MAY CAUSE FROTHING, IF MOLTEN.

**Fire Fighting Procedures:**

WEAR COMPLETE FIRE SERVICE PROTECTIVE EQUIPMENT, INCLUDING FULL-FACE MSHA/NIOSH APPROVED SELF-CONTAIN BREATHING APPARATUS. TOXIC VAPORS MAY BE GIVEN OFF IN FIRE.

**Unusual Fire/ Explosion Hazard:**

UNUSUAL FIRE, VAPORS/HAZARD: COMPOSITION PRODUCTS MAY BE RELEASED FORMING FLAMMABLE/EXPLOSIVE MIX IN AIR. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

## Physical/Chemical Properties

**FCC:**

F4

**NRCS State LIC No:**

N/K

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**

N/R

**Melt/Freeze Pt:**

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

N/K

**Decomp Temp:**

**Decomp Text:**

N/K

**Vapor Pres:**

N/K

**Vapor Density:**

N/R

**Volatile Org Content %:**

**Spec Gravity:**

10.7 LBS/GL

**VOC Pounds/Gallon:**

**PH:**

N/K

**VOC Grams/Liter:**

**Viscosity:**

N/K

**Evaporation Rate & Reference:**

VERY SLOW

**Solubility in Water:**

NIL

**Appearance and Odor:**

BLACK LIQUID WITH COAL TAR ODOR.

**Percent Volatiles by Volume:**

32

**Corrosion Rate:**

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



www.lookchem.com

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

WARRANTY: The information believed to be correct, but does not purport to be all inclusive of our knowledge and is not a guarantee to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product or of its use. The user shall be responsible for determining the suitability of the product for its intended use.

TERMS AND CONDITIONS: The information is given on the understanding that it will not be reproduced, given to others, or form the basis of a contract without our written consent. The information is given without liability for any damage resulting from its use.

TERMS AND CONDITIONS: The information is given on the understanding that it will not be reproduced, given to others, or form the basis of a contract without our written consent. The information is given without liability for any damage resulting from its use.