



chemists helping chemists in research & industry

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DATE: 01/12/90  
CUST#: 523216  
PO#: UNJ-02446

M A T E R I A L   S A F E T Y   D A T A   S H E E T

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IDENTIFICATION

PRODUCT #: I1720-6  
CAS #: 97-54-1  
MF: C10H12O2

NAME: ISOEUGENOL, 98%, MIXTURE OF CIS AND TRANS

SYNONYMS

1-HYDROXY-2-METHOXY-4-PROPENYL BENZENE \* 4-HYDROXY-3-METHOXY-1-PROPENYL BENZENE \* ISOEUGENOL \* 2-METHOXY-4-PROPENYLPHENOL \* NCI-C60979 \* 4-PROPENYLGUAIACOL \*

TOXICITY HAZARDS

RTECS NO: SL7875000

PHENOL, 2-METHOXY-4-PROPENYL-

IRRITATION DATA

SKN-MAN 16 MG/48H MOD  
SKN-RBT 100 MG/24H SEV  
SKN-GPG 100 MG/24H SEV

CTOIDG 94(8),41,79  
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CTOIDG 94(8),41,79

TOXICITY DATA

ORL-RAT LD50:1560 MG/KG  
ORL-GPG LD50:1410 MG/KG

TXAPA9 6,378,64  
FCTXAV 2,327,64

REVIEWS, STANDARDS, AND REGULATIONS

EPA TSCA CHEMICAL INVENTORY, 1986

TARGET ORGAN DATA

BEHAVIORAL (SOMNOLENCE)  
BEHAVIORAL (COMA)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. CAUSES SKIN IRRITATION. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

CONTINUED ON NEXT PAGE

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----- PHYSICAL DATA -----

SPECIFIC GRAVITY: 1.077  
VAPOR DENSITY: >1  
VAPOR PRESSURE: <.01 MM @ 20 C  
APPEARANCE AND ODOR  
MOIST OFF-WHITE SOLID OR LIQUID

----- FIRE AND EXPLOSION HAZARD DATA -----

FLASHPOINT: >230

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

----- REACTIVITY DATA -----

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

----- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE -----

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

DO NOT BREATHE VAPOR.

CONTINUED ON NEXT PAGE



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AVOID CONTACT WITH EYES, SKIN AND CLOTHING.  
WASH THOROUGHLY AFTER HANDLING.  
IRRITANT.  
KEEP TIGHTLY CLOSED.  
STORE IN A COOL DRY PLACE.

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