

MSDS# 19038

## Section 1 - Chemical Product and Company Identification

MSDS Name: Isoeugenol, 99%, Cis/Trans Mixture  
 Catalog Numbers: AC122570000, AC122570050, AC122571000, AC122575000  
 Synonyms: 2-Methoxy-4-Propenylphenol

Company Identification: Acros Organics BVBA  
 Janssen Pharmaceuticaalaa 3a  
 2440 Geel, Belgium  
 Acros Organics  
 One Reagent Lane  
 Fair Lawn, NJ 07410

Company Identification: (USA)  
 For information in the US, call: 800-ACROS-01  
 For information in Europe, call: +32 14 57 52 11  
 Emergency Number, Europe: +32 14 57 52 99  
 Emergency Number US: 201-796-7100  
 CHEMTREC Phone Number, US: 800-424-9300  
 CHEMTREC Phone Number, Europe: 703-527-3887

## Section 2 - Composition, Information on Ingredients

CAS#: 97-54-1  
 Chemical Name: Isoeugenol  
 %: 99  
 EINECS#: 202-590-7

Hazard Symbols: XN



Risk Phrases: 22 38

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

Warning! May cause respiratory tract irritation. May be harmful if swallowed. Causes eye and skin irritation. Target Organs: None known.

## Potential Health Effects

Eye: Causes eye irritation.  
 Skin: Causes skin irritation.  
 Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.  
 Inhalation: Inhalation of vapor may cause respiratory tract irritation. May cause respiratory difficulty and coughing.  
 Chronic: No information found.

## Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.  
 Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.  
 Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

Autoignition Temperature: Not available

Flash Point: > 112 deg C (> 233.60 deg F)

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 2; flammability: 1; instability: 0;

## Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Provide ventilation.

## Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a cool, dry place. Keep container closed when not in use.

## Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Isoeugenol	none listed	none listed	none listed

OSHA Vacated PELs: Isoeugenol: None listed

## Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

## Exposure Limits

## Personal Protective Equipment

Eyes: Wear safety glasses and chemical goggles if splashing is possible.  
 Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.  
 Clothing: Wear appropriate protective clothing to minimize contact with skin.  
 Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a respirator: NIOSH/MSHA or European Regulation EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear yellow

Odor: None reported.

pH: Not available

Vapor Pressure: Not available

Vapor Density: 5.7

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 266-268 deg C @ 760.00mmHg

Freezing/Melting Point: -10 deg C ( 14.00°F)

Decomposition Temperature: Not available

Solubility in water: solvents

Specific Gravity/Density:

Molecular Formula: C10H12O2

Molecular Weight: 164.20

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, excess heat, strong oxidants.

Incompatibilities with Other Materials: Oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

## Section 11 - Toxicological Information

RTECS#: CAS# 97-54-1: SL7875000

RTECS: CAS# 97-54-1: Draize test, rabbit, skin: 100 mg/24H Severe;

LD50/LC50: Oral, rat: LD50 = 1560 mg/kg;

Carcinogenicity: Isoeugenol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Not available

Teratogenicity: Not available

Reproductive: Not available

Neurotoxicity: Not available

Mutagenicity: Not available

Other: Not available

## Section 12 - Ecological Information

Not available

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

## Section 14 - Transport Information

US DOT  
 Shipping Name: Not regulated as a hazardous material  
 Hazard Class:  
 UN Number:  
 Packing Group:  
 Canada TDG  
 Shipping Name: Not available  
 Hazard Class:  
 UN Number:  
 Packing Group:

## Section 15 - Regulatory Information

US Federal  
 TSCA  
 CAS# 97-54-1 is listed on the TSCA Inventory.  
 Health & Safety Reporting List  
 List  
 Section 12b  
 Section 12b  
 TSCA Significant New Use Rule  
 Rule  
 CERCLA Hazardous Substances and corresponding RQs  
 SARA Section 302 Extremely Hazardous Substances  
 Section 313  
 Clean Air Act:  
 Clean Water Act:

None of the chemicals are on the Health & Safety Reporting List.  
 None of the chemicals in this product are under a Chemical Test Rule.  
 None of the chemicals are listed under TSCA Section 12b.  
 None of the chemicals in this material have a SNUR under TSCA.  
 None of the chemicals in this material have an RQ.  
 None of the chemicals in this product have a TPQ.  
 No chemicals are reportable under Section 313.  
 This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.  
 None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
 None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:  
 STATE  
 California Prop 65  
 California No Significant Risk Level:  
 European/International Regulations

European Labeling in Accordance with EC Directives  
 Hazard Symbols: XN  
 Risk Phrases:  
 R 22 Harmful if swallowed.  
 R 38 Irritating to skin.  
 Safety Phrases:  
 S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)  
 CAS# 97-54-1: Not available  
 Canada  
 CAS# 97-54-1 is listed on Canada's DSL List  
 Canadian WHMIS Classifications: D2B  
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.  
 CAS# 97-54-1 is not listed on Canada's Ingredient Disclosure List.

## Section 16 - Other Information

MSDS Creation Date: 12/28/1998

Revision #3 Date 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.