



MATERIAL SAFETY DATA SHEET
ETHYL BENZOATE

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| SECTION 1: Identification of the substance/mixture and of the company/undertaking | | | |
| 1.1 | Product identifiers | | |
| | Product name | : | ETHYL BENZOATE |
| | Brand | : | LABORT |
| | CAS-No. | : | 93-89-0 |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | | |
| | Identified uses | : | Laboratory chemicals, Industrial |
| 1.3 | Details of the supplier of the safety data sheet | | |
| | LABORT FINE CHEM PVT LTD. 703-704 ICON BUSINESS CENTRE, OPP. CENTRAL MALL, NR. VALENTINE CINEMA, DUMAS ROAD, SURAT - 395007, (GUJARAT), INDIA. PH: 0091-261-2725761; 2725388 FAX: 0091-261-2725388 E MAIL: info@laboratorychemical.net WEBSITE: www.laboratorychemical.net | | |
| 1.4 | Emergency telephone number | | |
| | Emergency Phone # | : | 091-261-2725388 |
| SECTION 2: Hazards identification | | | |
| 2.1 | Classification of the substance or mixture | | |
| | Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. | | |
| 2.2 | Label elements | | |
| | Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. | | |
| 2.3 | Other hazards | | |
| | This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher. | | |
| SECTION 3: Composition/information on ingredients | | | |
| 3.1 | Substances | | |
| | Synonyms | : | - |
| | Formula | : | C ₉ H ₁₀ O ₂ |
| | Molecular weight | : | 150.17 g/mol |

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| | CAS-No. | : | 93-89-0 |
| | EC-No. | : | 202-284-3 |
| SECTION 4: First aid measures | | | |
| 4.1 | Description of first aid measures | | |
| | If inhaled After inhalation: fresh air. In case of skin contact In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. In case of eye contact After eye contact: rinse out with plenty of water. Remove contact lenses. If swallowed After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. | | |
| 4.2 | Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 | | |
| 4.3 | Indication of any immediate medical attention and special treatment needed No data available | | |
| SECTION 5: Firefighting measures | | | |
| 5.1 | Extinguishing media Suitable extinguishing media Water Foam Carbon dioxide (CO2) Dry powder Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given. | | |
| 5.2 | Special hazards arising from the substance or mixture Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire. | | |
| 5.3 | Advice for firefighters In the event of fire, wear self-contained breathing apparatus. | | |
| 5.4 | Further information Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system. | | |
| SECTION 6: Accidental release measures | | | |
| 6.1 | Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Do not breathe vapors, aerosols. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. | | |
| 6.2 | Environmental precautions Do not let product enter drains. | | |
| 6.3 | Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area. | | |
| 6.4 | Reference to other sections For disposal see section 13. | | |
| SECTION 7: Handling and storage | | | |
| 7.1 | Precautions for safe handling Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Hygiene measures | | |

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| | Change contaminated clothing. Wash hands after working with substance. For precautions see section 2.2. | |
| 7.2 | Conditions for safe storage, including any incompatibilities Storage conditions Tightly closed. Storage class Storage class (TRGS 510): 10: Combustible liquids | |
| 7.3 | Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated | |
| SECTION 8: Exposure controls/personal protection | | |
| 8.1 | Control parameters | |
| | Ingredients with workplace control parameters | |
| 8.2 | Exposure controls Appropriate engineering controls Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. | |
| | Personal protective equipment Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Skin protection This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves. Splash contact Material: butyl-rubber Minimum layer thickness: 0,7 mm Break through time: 240 min Respiratory protection Recommended Filter type: Filter A for vapours of organic compounds The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. Control of environmental exposure Do not let product enter drains. | |
| SECTION 9: Physical and chemical properties | | |
| 9.1 | Information on basic physical and chemical properties | |
| | Appearance Form | Form: Liquid |
| | Colour | Colourless |
| | Odour | Fruity |
| | Odour Threshold | No data available |
| | pH | No data available |
| | Melting point/freezing point | -34°C |
| | Initial boiling point and boiling range | 212°C |
| | Flash point | 88 °C - c.c. |
| | Evaporation rate | No data available |

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| | Flammability (solid, gas) | No data available |
| | Upper/lower flammability or explosive limits | Lower explosion limit: 1 %(V) |
| | Vapour pressure | 0,24 hPa at 20 °C |
| | Vapour density | No data available |
| | Relative density | 1,045 g/cm ³ at 25 °C - lit. |
| | Water solubility | 0.5 g/l at 20 °C |
| | Partition coefficient: noctanol/water | log Pow: 2.59 at 22.8°C - Bioaccumulation is not expected. |
| | Auto-ignition temperature | No data available |
| | Decomposition temperature | No data available |
| | Viscosity | No data available |
| | Explosive properties | No data available |
| | Oxidizing properties | No data available |
| 9.2 | Other safety information | No data available |

SECTION 10: Stability and reactivity

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| 10.1 | Reactivity Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. |
| 10.2 | Chemical stability The product is chemically stable under standard ambient conditions (room temperature) . |
| 10.3 | Possibility of hazardous reactions Violent reactions possible with: Strong oxidizing agents Bases |
| 10.4 | Conditions to avoid Strong heating. |
| 10.5 | Incompatible materials No data available |
| 10.6 | Hazardous decomposition products In the event of fire: see section 5 |

SECTION 11: Toxicological information

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| 11.1 | Information on toxicological effects Acute toxicity LD50 Oral - Rat - male and female - 2.100 mg/kg (OECD Test Guideline 401) Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Symptoms: mucosal irritations, Cough, Shortness of breath Dermal: No data available Skin corrosion/irritation Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404) Remarks: The value is given in analogy to the following substances: Methyl benzoate Serious eye damage/eye irritation Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405) |
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| | <p>Remarks: The value is given in analogy to the following substances: Methyl benzoate</p> <p>Respiratory or skin sensitization</p> <p>Local lymph node assay (LLNA) - Mouse</p> <p>Result: negative</p> <p>(OECD Test Guideline 429)</p> <p>Remarks: The value is given in analogy to the following substances: Methyl benzoate</p> <p>Germ cell mutagenicity</p> <p>Test Type: Ames test</p> <p>Test system: Salmonella typhimurium</p> <p>Metabolic activation: with and without metabolic activation</p> <p>Method: OECD Test Guideline 471</p> <p>Result: negative</p> <p>Carcinogenicity</p> <p>No data available</p> <p>Reproductive toxicity</p> <p>No data available</p> <p>Specific target organ toxicity - single exposure</p> <p>No data available</p> <p>Specific target organ toxicity - repeated exposure</p> <p>No data available</p> <p>Aspiration hazard</p> <p>No data available</p> | |
| 11.2 | Additional Information | |
| | <p>Endocrine disrupting properties</p> <p>Product:</p> <p>Assessment:</p> <p>The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.</p> <p>RTECS: DH0200000</p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p> <p>Systemic effects:</p> <p>If swallowed</p> <p>muscular weakness</p> <p>somnolence</p> <p>Other dangerous properties cannot be excluded.</p> <p>Handle in accordance with good industrial hygiene and safety practice.</p> | |
| SECTION 12: Ecological information | | |
| 12.1 | Toxicity | |
| | <p>Toxicity to fish</p> <p>Toxicity to daphnia and other aquatic invertebrates</p> <p>Toxicity to algae</p> | <p>flow-through test LC50 - Pimephales promelas (fathead minnow) - 6,7 mg/l - 96 h (OECD Test Guideline 203)</p> <p>static test EC50 - Daphnia magna (Water flea) - 27,1 mg/l - 48 h (OECD Test Guideline 202)</p> <p>static test ErC50 - Pseudokirchneriella subcapitata (algae) - 24,1 mg/l - 72 h (OECD Test Guideline 201)</p> <p>static test NOEC - Pseudokirchneriella subcapitata (algae) - 1,05 mg/l - 72 h (OECD Test Guideline 201)</p> |
| 12.2 | <p>Persistence and degradability</p> <p>Biodegradability:</p> <p>Aerobic - Exposure time 28 d Result: 69 % - Readily biodegradable. (OECD Test Guideline 301D)</p> | |
| 12.3 | <p>Bioaccumulation</p> <p>No data available</p> | |

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| 12.4 | Mobility in soil No data available | | |
| 12.5 | Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. | | |
| 12.6 | Endocrine disrupting properties | | |
| | Product assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. | | |
| 12.6 | Other adverse effects No data available | | |
| SECTION 13: Disposal considerations | | | |
| 13.1 | Product Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle un-cleaned containers like the product itself. Contaminated packaging Dispose of as unused product. | | |
| SECTION 14: Transport information | | | |
| 14.1 | UN number | | |
| | ADR/RID: --- | IMDG: --- | IATA: --- |
| 14.2 | UN proper shipping name | | |
| | ADR/RID: OCTANES IMDG: OCTANES IATA: Octanes | | |
| 14.3 | Transport hazard class(es) | | |
| | ADR/RID: --- | IMDG: --- | IATA: --- |
| 14.4 | Packaging group | | |
| | ADR/RID: --- | IMDG: --- | IATA: --- |
| 14.5 | Environmental hazards | | |
| | ADR/RID: No | IMDG Marine pollutant: No | IATA: No |
| 14.6 | Special precautions for user No data available | | |
| SECTION 15: Regulatory information | | | |
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. | | |
| 15.2 | Chemical safety assessment For this product a chemical safety assessment was not carried out | | |
| SECTION 16: Other information | | | |
| | Further information LABORT FINE CHEM PVT LTD. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. LABORT FINE CHEM PVT LTD. Makes no representations or warranties, either express | | |

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