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MATERIAL SAFETY DATA SHEET

ANISOLE

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION :

Chemical Name : ANISOLE

Company Identification :

Ratnagiri Chemicals Pvt. Ltd.

Head Office: 611/612 Raheja Arcade, Sector 11,
CBD Belapur, Navi Mumbai – 400614.
Maharashtra, INDIA

Tel Nos +91-22-2757 0191
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Factory: C-39, MIDC Lote-Parshuram Indl Area
Lote - 415722

Maharashtra, INDIA

Tel Nos +91-2356-272650

Fax Nos +91-2256-272117

Chemical name : ANISOLE
Product use : End-Product, Chemical Intermediate
CAS number : 100-66-3
Synonmy(s) : Methoxybenzene
Chemical Formula : C₇H₈O

Section 2 – COMPOSITION, INFORMATION ON INGREDIENTS :

Name	CAS #	% by weight
Anisole	100-66-3	100

Toxicological Data on Ingredients : Anisole : ORAL [LD50]:Acute: 3700 mg/kg [Rat].
2800 mg/kg [Mouse].



Section 3. HAZARD IDENTIFICATION:

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4. FIRST AID INFORMATION:

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.



Section 5. FIRE FIGHTING MEASURES:

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 475°C (887°F)

Flash Points: CLOSED CUP: 83°C (181.4°F). OPEN CUP: 52°C (125.6°F).

Flammable Limits: LOWER: 0.3% UPPER: 6.3%

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-Up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6. ACCIDENTAL RELEASE MEASURES:

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill: Flammable liquid, insoluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak. if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

Section 7. HANDLING AND STORAGE:

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.



Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state and appearance:	Liquid.
Odour:	Not available.
Taste:	Not available.
Molecular Weight:	108.13 g/mole
Colour:	Not available.
Ph (1% soln/water):	Not applicable
Boiling point:	155.5°C (311.9°F)
Melting point:	-37.3°C (-35.1°F)
Critical Temperature:	Not available.
Specific Gravity:	0.9956 (Water= 1)
Vapor pressure:	Not available.
Vapor Density:	3.72(Air= 1)
Volatility:	Not available.
Odor Threshold:	Not available.
Water/Oil Dist.Coeff.:	Not available.
Ionicity (in Water):	Not available.
Dispersion properties:	See solubility in water, methanol, acetone.
Solubility:	Soluble in methanol, insoluble in cold water.



Section 10. STABILITY:

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11. TOXICOLOGICAL INFORMATION:

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2800 mg/kg [Mouse]. Acute toxicity of the vapor (LC50): 5001 8 hours [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12. ECOLOGICAL INFORMATION:

Ecotoxicity: Not available.

BOD5 and COD: Not available.



Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13. DISPOSAL INFORMATION:

Waste is classified as hazardous. Dispose of in accordance with the concern countries EPA Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Section 14. TRANSPORTATION INFORMATION:

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Not available. UNNA: UN2222 PG: III

Special Provisions for Transport: Not available.

Section 15. REGULATORY INFORMATION:

Federal and State Regulations: TSCA 8(b) inventory: Anisole

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). Other Classifications:

WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 2

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:



Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16. OTHER INFORMATION

For additional information concerning this product, contact the following:

PRODUCT EMERGENCIES

RATNAGIRI CHEMICALS PVT LTD

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The data and recommendations presented in this data sheet concerning the use of our product and the materials contain there in are believed to be accurate and are based on information which is considered reliable as of the date hereof. However, the customer should determine the suitability of such material for his purpose before adopting them on a commercial scale. Since the use of our products by others is beyond our control, no guarantee, express or implied, is made and no responsibility assumed for the use of this material or the results to be obtained there from. Information on this form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purposes. Moreover, the recommendations contained in this data sheet are not to be construed as a license to operate under, or a recommendation to infringe, any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.
