

Anisole

**123226-1L**

Version 1.2

Issuing date 12/19/2016

Revision Date 05/10/2022

Print Date 05/29/2023

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : Anisole

Number : 000000020678

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH  
Wunstorfer Straße 40  
Seelze, 30926  
Germany

For further information, please contact: : 1-800-368-0050  
+1-231-726-3171  
(Monday-Friday, 9:00am-5:00pm)

**In case of emergency call : Medical: 1-800-498-5701 or +1-303-389-1414**  
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**  
In Japan: +(81)-345209637

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Classification of the substance or mixture : Flammable liquids, Category 3  
Short-term (acute) aquatic hazard, Category 3

**GHS Label elements, including precautionary statements**

Symbol(s) :



Signal word : Warning

Hazard statements : Flammable liquid and vapour.  
Harmful to aquatic life.

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## Precautionary statements

: **Prevention:**

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

Store in a well-ventilated place. Keep cool.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Formula : C<sub>7</sub>H<sub>8</sub>O

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Anisole	100-66-3	<=100.00 %
Anisole		

Note: none

**4. FIRST AID MEASURES**

General advice : First aider needs to protect himself.  
Move out of dangerous area.

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	Take off all contaminated clothing immediately.
Inhalation	: If breathed in, move person into fresh air. If symptoms persist, call a physician.
Skin contact	: After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.
Eye contact	: Rinse thoroughly with plenty of water, also under the eyelids. Protect unharmed eye. If eye irritation persists, consult a specialist.
Ingestion	: When swallowed, allow water to be drunk. Call a physician immediately.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Water spray Foam Carbon dioxide (CO <sub>2</sub> ) Dry powder
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during firefighting	: Flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Fire may cause evolution of: Carbon oxides
Special protective equipment for firefighters	: Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.
Further information	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and	: Wear personal protective equipment. Unprotected persons must be kept away.
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emergency procedures

Evacuate personnel to safe areas.  
Provide adequate ventilation.  
Remove all sources of ignition.

Environmental precautions

: Do not flush into surface water or sanitary sewer system.

Methods and materials for  
containment and cleaning up

: Ventilate the area.  
Do not use sparking tools.  
Use explosion-proof equipment.  
Contain spillage, soak up with non-combustible absorbent  
material, (e.g. sand, earth, diatomaceous earth, vermiculite)  
and transfer to a container for disposal according to local /  
national regulations (see section 13).

**7. HANDLING AND STORAGE****Handling**

Precautions for safe handling

: Wear personal protective equipment.  
Use only in well-ventilated areas.

Advice on protection against  
fire and explosion

: Keep product and empty container away from heat and sources of  
ignition.  
No smoking.  
Take precautionary measures against static discharges.  
Vapours may form explosive mixtures with air.

**Storage**Conditions for safe storage,  
including any  
incompatibilities

: Store in original container.  
Keep containers tightly closed in a dry, cool and well-  
ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls**

Use with local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

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Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	: Impervious gloves Gloves must be inspected prior to use. Replace when worn.
Eye protection	: Safety glasses with side-shields
Skin and body protection	: Protective suit
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid inhalation of vapour or mist. Avoid contact with skin, eyes and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: liquid
Colour	: colourless
Odour	: aromatic
pH	: Note: No data available
Melting point/range	: -37 °C
Boiling point/boiling range	: ca. 154 °C at 1,013 hPa
Flash point	: 109 °F (43 °C) Method: closed cup
Flammability	: Not applicable
Lower explosion limit	: Note: No data available

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Upper explosion limit	: Note: No data available
Vapour pressure	: 3.2 hPa at 20 °C(68 °F)
Density	: 1.00 g/cm <sup>3</sup> at 20 °C
Water solubility	: 1.7 g/l at 20 °C
Partition coefficient: n-octanol/water	: log Pow: 2.11
Ignition temperature	: 475 °C
Decomposition temperature	: Note: No decomposition if used as directed.
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: 108.14 g/mol

## 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials to avoid	: Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation, Eye contact, Skin contact, Ingestion
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Acute oral toxicity	: LD50: 3,700 mg/kg Species: Rat
Acute inhalation toxicity	: LC50: > 6.51 mg/l , vapour Exposure time: 4 h Species: Rat, male and female Method: OECD Test Guideline 403 Note: No deaths
Acute dermal toxicity	: LD50: > 5,000 mg/kg Species: Rabbit
Skin corrosion/irritation	: Species: Rabbit Result: Mild skin irritation Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405
Respiratory or skin sensitisation	: Species: Guinea pig Result: Not a skin sensitizer. Method: OECD Test Guideline 406
Repeated dose toxicity	: Species: Rat, male and female Application Route: Inhalation Exposure time: 29 d No observed adverse effect level: 3000 mg/m3 Method: OECD Test Guideline 412
Germ cell mutagenicity	: Note: No data available
Carcinogenicity	: Note: No data available
Reproductive toxicity	: Note: No data available
Aspiration toxicity	: No data available

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**12. ECOLOGICAL INFORMATION****Aquatic and ecotoxicity**

Toxicity to fish : Note: No data available

Toxicity to daphnia and other aquatic invertebrates : Immobilization  
EC50: 27 mg/l  
Exposure time: 48 h  
Species: Daphnia (water flea)  
Method: OECD Test Guideline 202

Toxicity to algae : Growth rate  
EC50: 47 mg/l  
Exposure time: 72 h  
Species: Pseudokirchneriella subcapitata (green algae)  
Method: OECD Test Guideline 201

Toxicity to bacteria : NOEC: 300 mg/l  
Exposure time: 3 h  
Species: activated sludge  
Method: OECD Test Guideline 209

**Persistence and degradability**

Biodegradability : Result: Readily biodegradable

**Other adverse effects**

Additional ecological information : Should not be released into the environment.

**13. DISPOSAL CONSIDERATIONS**

WDPCL Waste Disposal and : Specially Controlled Industrial Waste



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Public Cleansing Law

Disposal methods : In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

### ADR

UN/ID No. : UN 2222  
Description of the goods : ANISOLE

Class : 3  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

### IATA

UN/ID No. : UN 2222  
Description of the goods : Anisole  
Class : 3  
Packing group : III  
Labels : 3  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355  
Packing instruction (passenger aircraft) : Y344

### IMDG

UN/ID No. : UN 2222  
Description of the goods : ANISOLE  
Class : 3  
Packing group : III  
Labels : 3  
EmS Number 1 : F-E  
EmS Number 2 : S-D

Marine pollutant : no

## 15. REGULATORY INFORMATION

**National regulatory information**

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Fire Service Law  
JP FSL DS4 : Type 2 petroleums  
Flammable liquids  
Storage Limit: 1000 liters III

Vessel Safety Law  
JP VSL : Flammable liquids (Article 2 and 3 of rules on shipping and  
storage of dangerous goods and its Attached Table 1)

Aviation Law  
JP AVL : Flammable liquid (Article 194 of The Enforcement Rules of  
Aviation Law and its Attached Table 1)

Fire Service Law : Group 4 Flammable liquids  
Type 2 petroleums  
Hazardous rank III  
Water insoluble  
Keep away from fire  
Listed

Poisonous and Deleterious  
Substances Control Law : Not relevant

**Other international regulations****Notification status**

US. Toxic Substances  
Control Act : On TSCA Inventory

Australia. Industrial  
Chemicals Act (AICC), as  
amended : On the inventory, or in compliance with the inventory

Canada. Canadian  
Environmental Protection Act  
(CEPA). Domestic  
Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals  
Inventory (KECI) : On the inventory, or in compliance with the inventory

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Philippines. Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

**16. OTHER INFORMATION**

	<b>HMIS III</b>	<b>NFPA</b>
Health hazard	: 1	1
Flammability	: 2	2
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group