# MATERIAL SAFETY DATA SHEET

| Edition | Revision date | Creation date |
|---|---|---|
| 12.04.00 | 26/10/2026 | 26/10/2026 |

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## 1 . IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

### 1.1 Product identifiers

**Product name** : Chavicol

**Catalogue number** : **4780 S**

**CAS NUMBER** : 501-92-8 **EC Number** : 207-929-2

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Reagent for research use only.

### 1.3 Details of the supplier of the safety data sheet

Extrasynthese
Z.I Lyon Nord
Impasse Jacquard - C.S 30062
69727 GENAY CEDEX - FRANCE
Phone : (33)(0)478-98-20-34
Fax : (33)(0)478-98-19-45
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### 1.4 Emergency call number (I.N.R.S France) : Tel :

(33)(0)145-42-59-59

## 2 . HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**According to Regulation (EC) No 1272/2008**

Skin Irritation (Category 2) ; H315

Eye Irritation (Category 2) ; H319

### 2.2 Label elements

**Labelling according Regulation (CE) No 1272/2008**

**Pictogram**

Warning



SGH07

**Hazard statement**

| | |
|---|---|
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

**Precautionary statements**

| | |
|---|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P332+P313 | If skin irritation occurs: Get medical advice/ attention. |

**Supplemental hazard statements**

No additional information.

### 2.3 Other hazards

None

## 3 . COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

**Product name** : Chavicol
**Empirical formula** : C9H10O
**CAS NUMBER** : 501-92-8
**Synonyms** : 4-Allylphenol
**EC Number** : 207-929-2

| Chavicol | | |
|---|---|---|
| CAS NUMBER | Concentration | Classification |
| 501-92-8 | < 100% | Eye Irrit. 2 (H319) ; Skin Irrit. 2 (H315) |

For the full text of the H-statements mentioned in this section, see section 16.

### 3.2 Mixtures

Not applicable

## 4 . FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance.

**Inhalation**
In case of inhalation, move the victim to fresh air. If breathing is difficult, put the victim on oxygen. If breathing stops, carry out artificial respiration.

**In case of skin contact**
Wash thoroughly with water and soap.

**In case of eye contact**
Rinse well with plenty of water for at least 15 minutes.

**Ingestion**
Do not make an unconscious person vomit or swallow anything. Rinse the mouth thoroughly with water.

### 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.

## 5 . FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Carbon dioxide, dry powder.

### 5.2 Special hazards arising from the substance

Harmful/toxic vapours, carbon oxides may be released during the fire.

### 5.3 Advise for fire-fighters

Wear an autonomous breathing apparatus and suitable protection clothing against chemical agents.

## 6 . ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Evacuate the personnel from the contaminated zone. Ensure adequate ventilation.

### 6.2 Environnemental precautions

Keeping away from drains, surface and ground waters.

### 6.3 Methods and materials for containment and cleaning up

Clean up without creating dust and place in adapted and sealed containers for elimination. Wash the contaminated aera with water and soap. Confine washing water and dispose of it complying with the local regulations. After cleaning, quickly eliminate traces of water with a product absorbing liquids (for example : sand, sawdust, universal binder, Kieselguhr).

### 6.4 Reference to other sections

For disposal see section 13.

## 7 . HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid formation of dust. Avoid contact with skin and eyes. During handling, wear suitable personal protective equipment (see section 8). Follow the normal measures for preventive fire protection.

### 7.2 Specific handling

No data available.

### 7.3 Conditions for safe storage, including any incompatibilities

Store in a cool well-ventilated place.
Keep container tightly closed in a dry place away from light.
Store at <+8°C

### 7.4 Specific end use(s)

No data available

## 8 . EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters

**Occupational exposure limit values (Workplace Exposure Limits)**

This information is not available.

### 8.2 Exposure controls

**Respiratory protection**

Wear imperatively an appropriated mask/respirator, tested and approved by standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with protective gloves. The selected gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection**

Wear safety glasses.

**Skin protection**

Wear suitable protective clothing according to the quantity and the level of activity of the substance at the workplace.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | | | |
|---|---|---|---|
| a | Physical state | : | Liquid |
| b | Odour | : | No data available |
| c | Odour threshold | : | No data available |
| d | pH | : | No data available |
| e | Melting point/freezing point | : | No data available |
| f | Initial boiling point/boiling range | : | No data available |
| g | Flash point | : | No data available |
| h | Evaporation rate | : | No data available |
| i | Flammability (solid, gas) | : | No data available |
| j | Upper /Lower flammability or explosive limits | : | No data available |
| k | Vapour pressure | : | No data available |
| l | Vapour density | : | No data available |
| m | Relative density | : | No data available |
| n | Solubility | : | No data available |
| o | Partition coefficient: n-octanol/water | : | No data available |
| p | Auto-ignition temperature | : | No data available |
| q | Decomposition temperature | : | No data available |
| r | Viscosity | : | No data available |
| s | Explosive properties | : | No data available |
| t | Oxidizing properties | | No data available |

### 9.2 Other information

No data available

## 10 . STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommanded storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions during storage and handling complying with the instructions.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No hazardous decomposition products if the instructions for handling and storage are respected. During high overheating of the substance or during a fire, hazardous decomposition products may be produced.

## 11 . TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute oral toxicity**

No data available.

**Acute dermal toxicity**

No data available.

**Acute inhalation toxicity**

No data available.

**Skin Corrosion**

No data available.

**Skin Irritation**

No data available.

**Serious Eye Damage**

No data available.

**Eye Irritation**

No data available.

**Respiratory Sensitisation**

No data available.

**Skin Sensitisation**

No data available.

**Germ Cell Mutagenicity**

No data available.

**Carcinogenictiy**

No data available.

**Reproductive Toxicity**

No data available.

**Specific Target Organ Toxicity - Single Exposure**

No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

No data available.

**Aspiration Hazard**

No data available.

### 11.2 Information on other hazards

No data available.

## 12 . ECOLOGICAL INFORMATION

**12.1 Toxicity**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

## 13 . DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

Non-recyclable surplus and solutions must be sent to a licensed professional waste disposal service, while respecting the local statutory instructions. Contaminated packaging is to be eliminated in the same way as the product that is contained.

## 14 . TRANSPORT INFORMATION

**14.1 UN number or ID number**

Not subject to transport regulations

**14.2 UN proper shipping name**

Not assigned.

**14.3 Transport hazard classes**

-

**14.4 Packing group**

-

**14.5 Environmental hazards**

No

**14.6 Special precautions for user**

There is no additional information.

**14.7 Maritime transport in bulk according to IMO instruments**

The cargo is not intended to be carried in bulk.

## 15 . REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 96/82/CE (SEVESO category/named substances) : not applicable.
Regulation CE 2037/2000 (substances that deplete the ozone layer) : not applicable.
Regulation 850/2004 (persistent organic pollutants) : not applicable.
Regulation REACH-Titre VII (authorisations) et Titre VIII (restrictions) : not applicable.

**15.2 Chemical safety assessment**

Not applicable.

## 16 . OTHER INFORMATION

**Use**

The information contained in this safety data sheet are based on our experience and our current knowledge. The data may in no case be considered as product specifications. It is provided for information purposes only with no obligation on our part. In this respect, we shall not be held liable for the use which is made of our products and for the information given above.

**Abbreviations and acronyms**

ADR: Agreement on Dangerous Goods by Road
RID: Regulations concerning the International Transport of Dangerous Goods by Rail
IATA: International Air Transport Association
CAS: Chemical Abstract Service
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

**Full text of R-phrase(s) and S-phrase(s) according to European Directive 67/548/EEC-Full text of hazard statement(s) mentioned in section 3**

**Eye Irrit.** : Eye Irritation

**Skin Irrit.** : Skin Irritation

**2** : Category 2

**H315** : Causes skin irritation

**H319** : Causes serious eye irritation