# P-CUMYLPHENOL

**Version: *10*.00** **Revision Date 17.04.2018**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

| | |
|---|---|
| **Trade name** | **P-CUMYLPHENOL** |
| **REACH No.** | 01-2119495586-20-0001 |
| **Substance name (REACH / CLP)** | 4-(α,α-dimethylbenzyl)phenol |

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

| | |
|---|---|
| **Use** | Industrial use<br>raw material for synthesis processes in the chemical industry |
| **Uses advised against** | |

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

| | |
|---|---|
| **Company** | SASOL Germany GmbH<br>Anckelmannsplatz 1<br>20537 Hamburg<br><br>Telephone: +49 40 63684-1000<br>Telefax: +49 40 63684-3700 |
| **Information (Product safety):** | Telephone: + 49 (0) 23 65 - 49 47 05<br>Telefax: + 49 (0) 23 65 - 49 92 40 |
| **E-mail address** | msds-info.germany@de.sasol.com |

### 1.4 Emergency telephone number

| | |
|---|---|
| **Emergency telephone number** | + 49 (0) 23 65 - 49 22 32 |

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

| | |
|---|---|
| Acute toxicity Category 4 | Harmful if swallowed. |
| Serious eye damage Category 1 | Causes serious eye damage. |
| Specific target organ toxicity - repeated exposure Category 2 ( Kidney) | May cause damage to organs through prolonged or repeated exposure. |
| Acute aquatic toxicity Category 1 | Very toxic to aquatic life. |
| Chronic aquatic toxicity Category 2 | Toxic to aquatic life with long lasting effects. |

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

**Hazard pictograms**

**Signal word** Danger

**Hazard statements**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H318 | Causes serious eye damage. |
| H373 | May cause damage to organs (kidney) through prolonged or repeated exposure if swallowed. |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Precautionary statements**

| | |
|---|---|
| P260 | Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear eye protection/ face protection. |
| P305 + P351 + P338 + P310 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| P314 | Get medical advice/ attention if you feel unwell. |
| P391 | Collect spillage. |

### 2.3 Other hazards

No hazards to be specially mentioned.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a substance in the meaning of regulation (EC) 1907/2006.

**COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES**

**4-(.alpha.,.alpha.-Dimethylbenzyl)phenol**

**component type:** Active ingredient

**EC-No.:** 209-968-0 **Index-No.:** **CAS-No.:** 599-64-4
**REACH No.**: 01-2119495586-20-0001
**Substance name (REACH / CLP):** 4-(α,α-dimethylbenzyl)phenol

| | | | |
|---|---|---|---|
| **Classification (Regulation (EC) No 1272/2008):** | Acute Tox. 4 | H302 | |
| | Eye Dam. 1 | H318 | |
| | STOT RE 2 ( Kidney) | H373 | |
| | Aquatic Acute | 1 | H400 |
| | Aquatic Chronic | 2 | H411 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures**

| | |
|---|---|
| **General advice** | If you feel unwell, seek medical advice (show the label where possible). |
| **If inhaled** | Provide fresh air. If symptoms persist, call a physician. |
| **In case of skin contact** | Wash off with soap and plenty of water. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |

**4.2 Most important symptoms and effects, both acute and delayed**

| | |
|---|---|
| **Most important symptoms and effects, both acute and delayed** | Symptoms: No information available.<br>Risks: No information available. |

**4.3 Indication of any immediate medical attention and special treatment needed**

| | |
|---|---|
| **Indication of any immediate medical attention and special treatment needed** | Treatment: No information available. |

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media**

| | |
|---|---|
| **Suitable extinguishing media** | Water spray, Dry powder, Foam, Carbon dioxide (CO2) |

**5.2 Special hazards arising from the substance or mixture**

| | |
|---|---|
| **Specific hazards during firefighting** | Dangerous gases or fumes may occur in case of fire. |

**5.3 Advice for firefighters**

| | |
|---|---|
| **Special protective equipment for firefighters** | Wear self-contained breathing apparatus for firefighting if necessary. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

| | |
|---|---|
| **Personal precautions** | Use personal protective equipment. |

**6.2 Environmental precautions**

| | |
|---|---|
| **Environmental precautions** | Avoid subsoil penetration.<br>Do not flush into surface water or sanitary sewer system. |

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

| | |
|---|---|
| **Methods for cleaning up** | Use mechanical handling equipment. |

**6.4 Reference to other sections**

For personal protection see section 8.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling**

| | |
|---|---|
| **Advice on safe handling** | Wear personal protective equipment. |
| **Advice on protection against fire and explosion** | Take precautionary measures against static discharges.<br>Dust may form explosive mixture in air. |

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

| | |
|---|---|
| **Requirements for storage areas and containers** | Keep container tightly closed. Protect against light. Protect from moisture. |
| **Storage class (TRGS 510)** | 10-13: German Storage Class 10 to 13 |

**7.3 Specific end use(s)**

| | |
|---|---|
| **Specific use(s)** | This information is not available. |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

**National occupational exposure limits**

No data available

**EUROPEAN OCCUPATIONAL EXPOSURE LIMITS**

No data available

**DERIVED NO EFFECT LEVEL (DNEL)**

| **Substance name: 4-(α,α-dimethylbenzyl)phenol** | | | |
|---|---|---|---|
| **End Use** | **Exposure routes** | **Value** | **Note** |
| Workers | Inhalation, Long-term systemic effects | 0,59 mg/m3 | |
| | Inhalation, Acute systemic effects | | Not relevant / not applicable |
| | Inhalation, Long-term local effects | | Not relevant / not applicable |
| | Inhalation, Acute local effects | | Not relevant / not applicable |
| | Skin contact, Long-term systemic effects | 0,17 mg/kg bw/day | |
| | Skin contact, Acute systemic effects | | Not relevant / not applicable |
| | Skin contact, Long-term local effects | | Not relevant / not applicable |
| | Skin contact, Acute local effects | | Not relevant / not applicable |
| Consumers | Inhalation, Long-term systemic effects | 0,14 mg/m3 | |
| | Inhalation, Acute systemic effects | | Not relevant / not applicable |
| | Inhalation, Long-term local effects | | Not relevant / not applicable |
| | Inhalation, Acute local effects | | Not relevant / not applicable |
| | Skin contact, Long-term systemic effects | | Not relevant / not applicable |

| | | | |
|---|---|---|---|
| | Skin contact, Acute systemic effects | | Not relevant / not applicable |
| | Skin contact, Long-term local effects | | Not relevant / not applicable |
| | Skin contact, Acute local effects | | Not relevant / not applicable |
| | Ingestion, Long-term systemic effects | 0,083 mg/kg bw/day | |
| | Ingestion, Acute systemic effects | | Not relevant / not applicable |

**PREDICTED NO EFFECT CONCENTRATION (PNEC)**

| **Substance name: 4-(α,α-dimethylbenzyl)phenol** | | |
|---|---|---|
| **Environmental Compartment** | **Value** | **Note** |
| Fresh water | 0,014 mg/l | |
| Marine water | 0,001 mg/l | |
| Fresh water sediment | 3,584 mg/kg | based on dry weight |
| Marine sediment | 0,358 mg/kg | based on dry weight |
| intermittent release | 0,009 mg/l | |
| treatment plant | 1,8 mg/l | |
| Soil | 0,708 mg/kg | based on dry weight |
| Air | | Not relevant / not applicable |
| food | | Not relevant / not applicable |

**8.2 Exposure controls**

**PERSONAL PROTECTIVE EQUIPMENT**

**Respiratory protection**

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a type P2 or P3 filter, in compliance with EN 143.

**Hand protection**

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

**gloves suitable for splash protection:**
Material: butyl-rubber
Break through time: 30 min
Layer thickness: 0,5 mm

**Eye protection**

Tightly fitting safety goggles

**Skin and body protection**

Protective suit

**Hygiene measures**

Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wear suitable gloves and eye/face protection.

| | |
|---|---|
| **Protective measures** | Avoid contact with eyes. Wear suitable gloves and eye/face protection. |

**ENVIRONMENTAL EXPOSURE CONTROLS**

| | |
|---|---|
| **General advice** | Avoid subsoil penetration.<br>Do not flush into surface water or sanitary sewer system. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | solid; 20 °C; 1.013 hPa |
| **Form** | flakes |
| **Colour** | white |
| **Odour** | odourless |
| **Odour Threshold** | No valid method available |
| **pH** | Not applicable |
| **Melting point/range** | 73,5 - 76 °C; OECD Test Guideline 102 |
| **Boiling point/boiling range** | 310 °C; 1.011 - 1.031 hPa; OECD Test Guideline 103 |
| **Flash point** | 188 °C; DIN 51758 |
| **Evaporation rate** | Not relevant / not applicable<br>Justification: Solid |
| **Flammability (solid, gas)** | Not classified as supporting combustion according to the transport regulations.<br>Method: Flammability (solids) |
| **Lower explosion limit** | Not relevant / not applicable<br>Justification: Product is not classified as highly or extremely flammable. |
| **Upper explosion limit** | Not relevant / not applicable<br>Justification: Product is not classified as highly or extremely flammable. |
| **Vapour pressure** | < 0,01 hPa; 25 °C |
| **Relative vapour density** | ca. 7 |
| **Density** | 1,09 g/cm3; 20 °C |
| | 1,024 g/cm3; 100 °C |
| **Water solubility** | 0,017 - 0,019 g/l; 22 °C; OECD Test Guideline 105 |
| **Partition coefficient: n-octanol/water** | log Pow: 3,6 - 4; 22 °C; OECD Test Guideline 107 |
| **Ignition temperature** | ca. 485 °C; DIN 51794 |
| **Auto-ignition temperature** | not auto-flammable |
| **Viscosity, dynamic** | 8,85 mPas; 100 °C |
| **Explosive properties** | not expected based on structure and functional groups |
| **Oxidizing properties** | not expected based on structure and functional groups |
| **Molar mass** | 212 g/mol |

| | |
|---|---|
| **Surface tension** | 64,85 - 65,15 mN/m; 16 mg/L; 20 °C |

**9.2 Other data**

| | |
|---|---|
| **Additional advice** | During processing, dust may form explosive mixture in air. |

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity**

| | |
|---|---|
| **Note** | Stable |

**10.2 Chemical stability**

| | |
|---|---|
| **Note** | Stable under normal conditions. |

**10.3 Possibility of hazardous reactions**

| | |
|---|---|
| **Hazardous reactions** | Decomposes on exposure to light.<br>Incompatible with strong acids and oxidizing agents. |

**10.4 Conditions to avoid**

| | |
|---|---|
| **Conditions to avoid** | Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation. |

**10.5 Incompatible materials to avoid**

| | |
|---|---|
| **Materials to avoid** | Strong acids and oxidizing agents; |

**10.6 Hazardous decomposition products**

| | |
|---|---|
| **Hazardous decomposition products** | phenol<br>olefins |
| **Thermal decomposition** | Distils without decomposition at atmospheric pressure. |

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

**Acute toxicity**

| | |
|---|---|
| **Acute oral toxicity** | Acute toxicity estimate : 500 mg/kg; Calculation method |
| **Acute oral toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>LD50 Rat: > 300 - 2.000 mg/kg<br>(literature value)<br>Harmful if swallowed. |
| **Acute inhalation toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>The study is not necessary.<br>Negligible or unlikely exposure pathways<br>Sufficient data are available from alternative routes of exposure. |
| **Acute dermal toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>LD50 Rabbit: > 2.000 mg/kg; OECD Test Guideline 402<br>(literature value)<br>Based on available data, the classification criteria are not met. |

**Skin corrosion/irritation**

| | |
|---|---|
| **Skin irritation** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Rabbit: not irritating; OECD Test Guideline 404<br>(literature value)<br>Based on available data, the classification criteria are not met. |

**Serious eye damage/eye irritation**

| | |
|---|---|
| **Eye irritation** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Rabbit: Risk of serious damage to eyes.; OECD Test Guideline 405<br>Causes serious eye damage. |

**Respiratory or skin sensitisation**

| | |
|---|---|
| **Sensitisation** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Buehler Test Guinea pig: not sensitizing; OECD Test Guideline 406<br>(literature value)<br>Based on available data, the classification criteria are not met. |

**Germ cell mutagenicity**

| | |
|---|---|
| **Genotoxicity in vitro** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Ames test; Salmonella typhimurium; with and without metabolic activation: negative; OECD Test Guideline 471<br>(literature value)<br><br>4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Mammalian cell gene mutation assay; mouse lymphoma cells; with and without metabolic activation: negative; OECD Test Guideline 476<br>(literature value)<br><br>4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Chromosome aberration test in vitro; Chinese hamster; with and without metabolic activation: ambiguous; OECD Test Guideline 473<br>(literature value) |
| **Remarks** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Based on available data, the classification criteria are not met. |

**Carcinogenicity**

| | |
|---|---|
| **Carcinogenicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>This information is not available. |

**Reproductive toxicity**

| | |
|---|---|
| **Reproductive toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Rat; Oral<br>NOAEL ((parents)): 50 mg/kg (based on body weight and day)<br>NOAEL (F1): 300 mg/kg (based on body weight and day); OECD Test Guideline 422<br>(literature value) |
| **RemarksReproductive toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Based on available data, the classification criteria are not met. |

**STOT - single exposure**

| | |
|---|---|
| **Remarks** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>The substance or mixture is not classified as specific target organ toxicant, single exposure. |

**STOT - repeated exposure**

| | |
|---|---|
| **Remarks** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Target Organs: Kidney<br>May cause damage to organs through prolonged or repeated exposure. |

| | |
|---|---|
| **Repeated dose toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Rat; Oral<br>NOAEL: 50 mg/kg (based on body weight and day)<br>LOAEL: 300 mg/kg (based on body weight and day); OECD Test Guideline 422<br>Target Organs: Kidney<br>(literature value) |

**Aspiration hazard**

| | |
|---|---|
| **Aspiration toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Not applicable |

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity**

| | |
|---|---|
| **Toxicity to fish** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>LC50 (96 h) Oncorhynchus mykiss (rainbow trout): > 0,1 - 1 mg/l ; static test; OECD Test Guideline 203<br>(literature value) |
| **Toxicity to fish - Chronic toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>NOEC (30 d) : 0,147 mg/l; QSAR |
| **Toxicity to daphnia and other aquatic invertebrates** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>EC50 (48 h) Daphnia magna (Water flea): > 0,1 - 1 mg/l ; static test; OECD Test Guideline 202<br>(literature value) |
| **Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>NOEC (21 d) Daphnia sp. (water flea): 0,142 mg/l; QSAR |
| **Toxicity to aquatic plants** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>ErC50 (72 h) Pseudokirchneriella subcapitata (green algae): > 1 - 10 mg/l ; Growth rate; static test; OECD Test Guideline 201; (literature value)<br><br>4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>NOEC (72 h) Pseudokirchneriella subcapitata (green algae): 0,9 mg/l ; Growth rate; static test; OECD Test Guideline 201; (literature value) |
| **Toxicity to bacteria** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>The substance is not to be considered to be inhibitory to bacteria. |

**12.2 Persistence and degradability**

| | |
|---|---|
| **Biodegradability** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>under test conditions no biodegradation observed; 28 d; aerobic; OECD Test Guideline 301D<br>(literature value) |

**12.3 Bioaccumulative potential**

| | |
|---|---|
| **Bioaccumulation** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Bioconcentration factor (BCF): 173; QSAR<br>not bioaccumulative according PBT criteria |

**12.4 Mobility in soil**

| | |
|---|---|
| **Mobility** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Adsorption/Soil/Sewage sludge; Koc: 2488; OECD Test Guideline 121<br>(literature value) |

Slightly mobile in soils

**12.5 Results of PBT and vPvB assessment**

| | |
|---|---|
| **Results of PBT 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. |
| **Results of PBT assessment** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>This substance is not considered to be persistent, bioaccumulating and toxic (PBT).<br>This substance is not considered to be very persistent and very bioaccumulating (vPvB). |

**12.6 Other adverse effects**

| | |
|---|---|
| **General advice** | 4-(.alpha.,.alpha.-Dimethylbenzyl)phenol:<br>Very toxic to aquatic life.<br>Toxic to aquatic life with long lasting effects. |

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

| | |
|---|---|
| **Product** | Can be incinerated, when in compliance with local regulations. |
| **waste code of the European Union: EWC** | The waste code must be determined in agreement with the regional waste disposal authority or company. A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. |

## SECTION 14: TRANSPORT INFORMATION

**14.1 UN number**

| | |
|---|---|
| **ADR** | 3077 |
| **RID** | 3077 |
| **ADN** | 3077 |
| **IMDG** | 3077 |
| **ICAO/IATA** | 3077 |

**14.2 Proper shipping name**

| | |
|---|---|
| **ADR** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (p-Cumylphenol) |
| **RID** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (p-Cumylphenol) |
| **ADN** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (p-Cumylphenol) |
| **IMDG** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (p-Cumylphenol) |
| **ICAO/IATA** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (p-Cumylphenol) |

**14.3 Transport hazard class**

| | |
|---|---|
| **ADR** | 9 |
| **RID** | 9 |
| **ADN** | 9 |
| **IMDG** | 9 |
| **ICAO/IATA** | 9 |

**14.4 Packing group**

| | |
|---|---|
| **ADR** | III |
| **RID** | III |
| **ADN** | III |
| **IMDG** | III |
| **ICAO/IATA** | III |

**14.5 Environmental hazards**

| | | |
|---|---|---|
| **ADR** | Environmentally hazardous | yes |
| **RID** | Environmentally hazardous | yes |
| **ADN** | Environmentally hazardous | yes |
| **IMDG** | Marine pollutant | yes |
| **ICAO/IATA** | Environmentally hazardous | yes |

**14.6 Special precautions for user**

| | | | |
|---|---|---|---|
| **ADR** | Hazard Identification Number | | 90 |
| | Labels | | 9 |
| | Tunnel restriction code | | (-) |
| **IMDG** | Labels 9 | | |
| | EmS Number 1 | F-A | |
| | EmS Number 2 | S-F | |
| **ICAO/IATA** | Labels | | 9MI |

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

| | |
|---|---|
| Remarks | No information available. |

## SECTION 15: REGULATORY INFORMATION

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

**Occupational restrictions** Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

**NATIONAL/OTHER REGULATIONS**

**Legislation on the control of major-accident hazards involving dangerous substances**

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

list entry in the directive:: ENVIRONMENTAL HAZARDS; E1

Qualifiying quantity 1: 100 t; Qualifiying quantity 2: 200 t;

**NOTIFICATION STATUS**

| | | |
|---|---|---|
| Switzerland. Consolidated Inventory | CH INV | listed (product or constituents are listed) |
| US. Toxic Substances Control Act | TSCA | listed (product or constituents are listed) |
| Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) | DSL | restricted (product or constituents are listed with quantity restrictions) |
| Australia. Industrial Chemical (Notification and Assessment) Act | AICS | listed (product or constituents are listed) |
| Japan. Kashin-Hou Law List | ENCS (JP) | listed (product or constituents are listed) |
| Japan. Industrial Safety & Health Law (ISHL) List | ISHL (JP) | listed (product or constituents are listed) |
| Korea. Existing Chemicals Inventory (KECI) | KECI (KR) | listed (product or constituents are listed) |
| Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act | PICCS (PH) | listed (product or constituents are listed) |
| China. Inventory of Existing Chemical Substances | INV (CN) | listed (product or constituents are listed) |

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

### 15.2 Chemical safety assessment

**4-(α,α-dimethylbenzyl)phenol**

A Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H318 | Causes serious eye damage. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

**Safety datasheet sections which have been updated:**

2. Hazards identification
3. Composition/information on ingredients
8. Exposure controls/personal protection
11. Toxicological information
12. Ecological information
15. Regulatory information

16. Other information

Annex

**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.
This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

**Safety datasheet sections which have been updated:**
14. Transport information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

| | |
|---|---|
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure |
| ADR | Accord européen relatif au transport international des marchandises Dangereuses par Route |
| AICS | Australian Inventory of Chemical Substances |
| ANSI | American National Standards Institute |
| ASTM | American Society of Testing and Materials (US) |
| BCF | Bioconcentration factor |
| CLP | Regulation on Classification, Labelling and Packaging of Substances and Mixtures |
| DIN | Deutsches Institut für Normung |
| DNEL | Derived No-Effect Level |
| DSL | Domestic Substances List |
| EC… | Effect concentration ... % |
| ENCS | Existing Notified Chemical Substances (Japan) |
| EWC | European Waste Catalogue |
| IATA | International Air Transport Association |
| IBC | Intermediate Bulk Container |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISHL | Industrial Safety and Health Law (Japan) |
| ISO | International Organization for Standardization |
| IUAPC | International Union of Pure and Applied Chemistry |
| KECI | Korea Existing Chemicals Inventory |
| LC… | Lethal Concentration, ...% |
| LD… | Lethal Dose, ...% |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NDSL | Non-Domestic Substances List |
| NOAEL | no observable adverse effect level |
| NOEL/NOEC | No Observed-effect level/concentration |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | persistent, bioaccumulative, toxic |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport international ferroviaire de marchandises dangereuses |
| TG | Test Guideline |
| TRGS | Technische Regeln für Gefahrstoffe |
| TSCA | Toxic Substances Control Act |
| vPvB | very persistent, very bioaccumulative |
| WGK | Wassergefährdungsklasse |

## Annex

**Attachments to the safety data sheet and/or lists of the identified uses for the listed substances can be downloaded using the internet links below.**

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000284_EN_01.pdf

# P-CUMYLPHENOL

**Version: *10*.00** **Revision Date 17.04.2018**