# Safety Data Sheet according to (EC) No 1907/2006 as amended



SDS No. : 185277
V004.1

BONDERITE C-MC 12 JC23KG

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier**
BONDERITE C-MC 12 JC23KG

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
Intended use:
Cleaner

**1.3. Details of the supplier of the safety data sheet**
Henkel AG & Co. KGaA
Henkelstr. 67
40589 Düsseldorf

Germany

Phone: +49 211 797 0

For Safety Data Sheet updates please visit our website https://mysds.henkel.com/index.html#/appSelection or www.henkel-adhesives.com.
SDSinfo.Adhesive@henkel.com

**1.4. Emergency telephone number**
The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

**Classification (CLP):**
The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

**2.2. Label elements**

**Label elements (CLP):**

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

**Supplemental information** Safety data sheet available on request.

**2.3. Other hazards**

None if used properly.

Following substances are present in a concentration ≥ the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration ≥ the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.<br>EC Number<br>REACH-Reg No. | Concentration | Classification | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|---|---|---|---|---|
| Fatty alcohol ethoxylate C8<br>27252-75-1 | 1- < 5 % | Eye Irrit. 2, H319 | oral:ATE = 2.500 mg/kg | |
| Sodium p-cumenesulphonate<br>15763-76-5<br>239-854-6<br>01-2119489411-37 | 1- < 5 % | Eye Irrit. 2, H319 | | |

**For full text of the H - statements and other abbreviations see section 16 "Other information".**
**Substances without classification may have community workplace exposure limits available.**
**Declaration of ingredients according to Detergent Regulation 648/2004/EC**

| | |
|---|---|
| < 5 % | phosphates<br>non-ionic surfactants |

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

Inhalation:
Move to fresh air, consult doctor if complaint persists.

Skin contact:
Immediately wash skin thoroughly with soap and water.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:
Drink 1-2 glasses of water, do not induce vomiting, administer an antifoaming agent (sab simplex), seek medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**
See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**
**Suitable extinguishing media:**
Water spray jet
Carbon dioxide, foam, powder

**Extinguishing media which must not be used for safety reasons:**
High pressure waterjet

**5.2. Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in fires.

**5.3. Advice for firefighters**
Wear protective equipment.

**Additional information:**
Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin and eyes.
Danger of slipping on spilled product.

**6.2. Environmental precautions**
Do not empty into drains / surface water / ground water.

**6.3. Methods and material for containment and cleaning up**
Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**
See advice in section 8

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Avoid skin and eye contact.
Ensure that workrooms are adequately ventilated.
See advice in section 8

Hygiene measures:
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

**7.2. Conditions for safe storage, including any incompatibilities**
Store frost-free.
Keep container tightly sealed.

**7.3. Specific end use(s)**
Cleaner

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational Exposure Limits**

Valid for
Germany

| Ingredient [Regulated substance] | ppm | mg/m³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|---|---|---|---|---|
| 2,2',2''-Nitrilotriethanol<br>102-71-6 | | | Short Term Exposure Classification: | Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages. | TRGS 900 |
| 2,2',2''-Nitrilotriethanol<br>102-71-6 | | 1 | Exposure limit(s): | 1<br>If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |

**Predicted No-Effect Concentration (PNEC):**

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | | | mg/l | ppm | mg/kg | others | |
| Sodium p-cumenesulphonate<br>15763-76-5 | aqua (freshwater) | | 0,23 mg/l | | | | |
| Sodium p-cumenesulphonate<br>15763-76-5 | aqua (intermittent releases) | | 2,3 mg/l | | | | |
| Sodium p-cumenesulphonate<br>15763-76-5 | sewage treatment plant (STP) | | 100 mg/l | | | | |
| Sodium p-cumenesulphonate<br>15763-76-5 | aqua (marine water) | | 0,023 mg/l | | | | |
| Sodium p-cumenesulphonate<br>15763-76-5 | sediment (freshwater) | | | | 0,862 mg/kg | | |
| Sodium p-cumenesulphonate<br>15763-76-5 | sediment (marine water) | | | | 0,0862 mg/kg | | |
| Sodium p-cumenesulphonate<br>15763-76-5 | Soil | | | | 0,037 mg/kg | | |

**Derived No-Effect Level (DNEL):**

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|---|---|---|---|---|---|---|
| Sodium p-cumenesulphonate 15763-76-5 | Workers | dermal | Long term exposure - systemic effects | | 191 mg/kg | |
| Sodium p-cumenesulphonate 15763-76-5 | Workers | inhalation | Long term exposure - systemic effects | | 37,4 mg/m3 | |
| Sodium p-cumenesulphonate 15763-76-5 | Workers | dermal | Long term exposure - local effects | | 0,096 mg/cm2 | |
| Sodium p-cumenesulphonate 15763-76-5 | General population | dermal | Long term exposure - systemic effects | | 68,1 mg/kg | |
| Sodium p-cumenesulphonate 15763-76-5 | General population | inhalation | Long term exposure - systemic effects | | 6,6 mg/m3 | |
| Sodium p-cumenesulphonate 15763-76-5 | General population | oral | Long term exposure - systemic effects | | 3,8 mg/kg | |
| Sodium p-cumenesulphonate 15763-76-5 | General population | dermal | Long term exposure - local effects | | 0,048 mg/cm2 | |

**Biological Exposure Indices:**
None

**8.2. Exposure controls:**

Engineering controls:
Ensure good ventilation/suction at the workplace.

Respiratory protection:
In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).
This recommendation should be matched to local conditions.

Hand protection:
Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Protective goggles
Protective eye equipment should conform to EN166.

Skin protection:
Suitable protective clothing
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | liquid |
| Delivery form | liquid |
| Colour | yellow |
| Odor | Amine |
| Melting point | Not applicable, Product is a liquid |
| Solidification temperature | < 0 °C (< 32 °F) Aqueous solution |
| Initial boiling point | 100 °C (212 °F) Aqueous solution |
| Flammability | Not applicable<br>Aqueous solution |
| Explosive limits | Not applicable, The product is not flammable. |
| Flash point | No flash point up to 100°C. Aqueous preparation. |
| Auto-ignition temperature | Not applicable, The product is not flammable. |
| Decomposition temperature | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH<br>(20 °C (68 °F); Conc.: 1 % product; Solvent: Demineralised water) | 8,3 - 9,1 |
| Viscosity (kinematic)<br>(40 °C (104 °F); ) | 1 - 10 mm2/s |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water) | fully miscible |
| Partition coefficient: n-octanol/water | Not applicable<br>Mixture |
| Vapour pressure<br>(20 °C (68 °F)) | 23,4 hPa Values referring to water |
| Vapour pressure<br>(50 °C (122 °F)) | 123 hPa Values referring to water |
| Density<br>(20 °C (68 °F)) | 1,066 - 1,106 g/cm3 Density, oscillation |
| Relative vapour density:<br>(20 °C) | < 1 |
| Particle characteristics | Not applicable<br>Product is a liquid |

### 9.2. Other information

Other information not applicable for this product

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
Reaction with strong acids.

**10.2. Chemical stability**
Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**
See section reactivity

**10.4. Conditions to avoid**
No decomposition if used according to specifications.

**10.5. Incompatible materials**
See section reactivity.

**10.6. Hazardous decomposition products**
None if used for intended purpose.
In case of fire toxic gases can be released.

## SECTION 11: Toxicological information

**General toxicological information:**
To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

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

**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Species | Method |
|---|---|---|---|---|
| Fatty alcohol ethoxylate C8<br>27252-75-1 | Acute toxicity estimate (ATE) | 2.500 mg/kg | | Expert judgement |
| Sodium p-cumenesulphonate<br>15763-76-5 | LD50 | 3.346 mg/kg | rat | EPA OTS 798.1175 (Acute Oral Toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Species | Method |
|---|---|---|---|---|
| Sodium p-cumenesulphonate<br>15763-76-5 | LD50 | > 2.000 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Test atmosphere | Exposure time | Species | Method |
|---|---|---|---|---|---|---|
| Sodium p-cumenesulphonate<br>15763-76-5 | LC50 | > 6,41 mg/l | dust/mist | 4 h | rat | OECD Guideline 403 (Acute Inhalation Toxicity) |

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result | Exposure time | Species | Method |
|---|---|---|---|---|
| Sodium p-cumenesulphonate<br>15763-76-5 | not irritating | 24 h | rabbit | Draize Test |

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result | Exposure time | Species | Method |
|---|---|---|---|---|
| Sodium p-cumenesulphonate<br>15763-76-5 | moderately irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---|---|---|---|---|
| Sodium p-cumenesulphonate 15763-76-5 | not sensitising | Buehler test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---|---|---|---|---|---|
| Sodium p-cumenesulphonate 15763-76-5 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | EPA OTS 798.5265 (The Salmonella typhimurium Bacterial Reverse Mutation Test) |
| Sodium p-cumenesulphonate 15763-76-5 | negative | in vitro mammalian chromosome aberration test | with and without | | EPA OPPTS 870.5375 (In Vitro Mammalian Chromosome Aberation) |
| Sodium p-cumenesulphonate 15763-76-5 | negative | mammalian cell gene mutation assay | with and without | | EPA OPPTS 870.5300 (Detection of Gene Mutations in Somatic Cells in Culture) |
| Sodium p-cumenesulphonate 15763-76-5 | negative | sister chromatid exchange assay in mammalian cells | with and without | | EPA OPPTS 870.5900 (In Vitro Sister Chromatid Exchange Assay in Mammalian Cells) |
| Sodium p-cumenesulphonate 15763-76-5 | negative | oral: gavage | | mouse | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|---|---|---|---|---|---|
| Sodium p-cumenesulphonate 15763-76-5 | NOAEL P 300 mg/kg<br><br>NOAEL F1 1.000 mg/kg | screening | oral: gavage | rat | OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) |

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Route of application | Exposure time / Frequency of treatment | Species | Method |
|---|---|---|---|---|---|
| Sodium p-cumenesulphonate 15763-76-5 | NOAEL > 763 mg/kg | oral: feed | 90 d<br>daily | rat | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

**Aspiration hazard:**

No data available.

**11.2 Information on other hazards**

not applicable

## SECTION 12: Ecological information

**General ecological information:**
Do not empty into drains / surface water / ground water.
The biodegradability of the surfactants contained in the product is in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).
The surfactants contained in the products are primary biodegradable to at least 90% on average.

**12.1. Toxicity**

**Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Fatty alcohol ethoxylate C8<br>27252-75-1 | LC50 | 38 mg/l | 96 h | Brachydanio rerio (new name: Danio rerio) | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Sodium p-cumenesulphonate<br>15763-76-5 | LC50 | > 100 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |

**Toxicity (Daphnia):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Fatty alcohol ethoxylate C8<br>27252-75-1 | EC50 | 71 mg/l | 24 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Sodium p-cumenesulphonate<br>15763-76-5 | EC50 | > 100 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

**Chronic toxicity to aquatic invertebrates**

No data available.

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Sodium p-cumenesulphonate<br>15763-76-5 | EC50 | > 100 mg/l | 96 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |

**Toxicity to microorganisms**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Fatty alcohol ethoxylate C8<br>27252-75-1 | EC0 | 700 mg/l | 30 min | Pseudomonas putida | DIN 38412, part 27 (Bacterial oxygen consumption test) |

**12.2. Persistence and degradability**

| Hazardous substances<br>CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|---|---|---|---|---|---|
| Fatty alcohol ethoxylate C8<br>27252-75-1 | readily biodegradable | aerobic | 76 % | 30 d | EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test) |
| Sodium p-cumenesulphonate<br>15763-76-5 | readily biodegradable | aerobic | 99,8 % | 28 day | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

| Hazardous substances<br>CAS-No. | PBT / vPvB |
|---|---|
| Sodium p-cumenesulphonate<br>15763-76-5 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Endocrine disrupting properties**

not applicable

**12.7. Other adverse effects**

If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 - 10, as pH variations could cause disorders in wastewater channels and biological sewage treatment plants. The local discharge regulations take precedence.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Product disposal:
In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

EWC/EAK 070608

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

## SECTION 14: Transport information

**14.1. UN number or ID number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.2. UN proper shipping name**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.3. Transport hazard class(es)**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.4. Packing group**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.5. Environmental hazards**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.6. Special precautions for user**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

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

not applicable

## SECTION 15: Regulatory information

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

| | |
|---|---|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009): | Not applicable |
| Prior Informed Consent (PIC) (Regulation (EU) No 649/2012): | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021): | Not applicable |
| VOC content (2010/75/EU) | 0 % |

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**National regulations/information (Germany):**

| | |
|---|---|
| WGK: | WGK 1: slightly hazardous to water (Ordinance on facilities for handling substances that are hazardous to water (AwSV) )<br>Classification according to AwSV, Annex 1 (5.2) |
| Storage class according to TRGS 510: | 10 |

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:
H319 Causes serious eye irritation.

| | |
|---|---|
| ED: | Substance identified as having endocrine disrupting properties |
| EU OEL: | Substance with a Union workplace exposure limit |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148 |
| EU EXPLD 2 | Substance listed in Annex II, Reg (EC) No. 2019/1148 |
| SVHC: | Substance of very high concern (REACH Candidate List) |
| PBT: | Substance fulfilling persistent, bioaccumulative and toxic criteria |
| PBT/vPvB: | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB: | Substance fulfilling very persistent and very bioaccumulative criteria |

**Further information:**

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This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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