



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

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BONDERITE C-MC 768 JC23KG RWE

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V004.0

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

### 1.1. Product identifier

BONDERITE C-MC 768 JC23KG RWE

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

Intended use:

Cleaners for Industrial Application

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

Henkel AG & Co. KGaA

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40589 Düsseldorf

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For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.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):

Serious eye damage

Category 1

H318 Causes serious eye damage.

Chronic hazards to the aquatic environment

Category 3

H412 Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Label elements (CLP):

Hazard pictogram:



Contains

Coco amine ethoxylate

<b>Signal word:</b>	<b>Danger</b>
<b>Hazard statement:</b>	<b>H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.</b>
<b>Precautionary statement: Response</b>	<b>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor.</b>

**2.3. Other hazards**

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. 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:**

<b>Hazardous components CAS-No. EC Number REACH-Reg No.</b>	<b>Concentration</b>	<b>Classification</b>	<b>Specific Conc. Limits, M-factors and ATEs</b>	<b>Add. Information</b>
Coco amine ethoxylate 61791-14-8	5- < 10 %	Aquatic Chronic 3, H412 Acute Tox. 4, Oral, H302 Eye Dam. 1, H318		
Amines, coco alkyl, ethoxylated 61791-14-8	1- < 3 %	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 4, Oral, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	M acute = 1 M chronic = 1	
3,5,5-Trimethylhexanoic acid 3302-10-1 221-975-0 01-2119517580-45	1- < 3 %	Acute Tox. 4, Oral, H302 Skin Irrit. 2, Dermal, H315 Eye Dam. 1, H318		

**If no ATE values are displayed, please refer to LD/LC50 values in Section 11.  
For full text of the H - statements and other abbreviations see section 16 "Other information".  
Declaration of ingredients according to Detergent Regulation 648/2004/EC**

5 - 15 %                      non-ionic surfactants  
   phosphates  
Further ingredients            Perfumes

**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:  
Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

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**

After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

#### **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:**

All common extinguishing agents are suitable.

##### **Extinguishing media which must not be used for safety reasons:**

None known

#### **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 self-contained breathing apparatus.

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**

Dispose of contaminated material as waste according to Section 13.

Remove with liquid-absorbing material (sand, peat, sawdust).

#### **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:

- Wash hands before work breaks and after finishing work.
- Do not eat, drink or smoke while working.
- The workplace should be equipped with an emergency shower and eye-rinsing facility.

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

- Store in sealed original container.
- Store frost-free.

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

- Cleaners for Industrial Application

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational Exposure Limits**

Valid for  
Germany

None

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

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
3,5,5-Trimethylhexanoic acid 3302-10-1	aqua (freshwater)		0,068 mg/l				
3,5,5-Trimethylhexanoic acid 3302-10-1	aqua (marine water)		0,0068 mg/l				
3,5,5-Trimethylhexanoic acid 3302-10-1	aqua (intermittent releases)		1,36 mg/l				
3,5,5-Trimethylhexanoic acid 3302-10-1	sediment (freshwater)				1,08 mg/kg		
3,5,5-Trimethylhexanoic acid 3302-10-1	sediment (marine water)				0,108 mg/kg		
3,5,5-Trimethylhexanoic acid 3302-10-1	Soil				0,176 mg/kg		
3,5,5-Trimethylhexanoic acid 3302-10-1	sewage treatment plant (STP)		23 mg/l				

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

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
3,5,5-Trimethylhexanoic acid 3302-10-1	Workers	inhalation	Long term exposure - systemic effects		4,4 mg/m <sup>3</sup>	
3,5,5-Trimethylhexanoic acid 3302-10-1	Workers	inhalation	Long term exposure - local effects		10 mg/m <sup>3</sup>	
3,5,5-Trimethylhexanoic acid 3302-10-1	Workers	inhalation	Acute/short term exposure - local effects		10 mg/m <sup>3</sup>	
3,5,5-Trimethylhexanoic acid 3302-10-1	Workers	dermal	Long term exposure - systemic effects		1,25 mg/kg	
3,5,5-Trimethylhexanoic acid 3302-10-1	Workers	dermal	Long term exposure - local effects			
3,5,5-Trimethylhexanoic acid 3302-10-1	Workers	dermal	Acute/short term exposure - local effects			
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	inhalation	Long term exposure - systemic effects		1,1 mg/m <sup>3</sup>	
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	inhalation	Long term exposure - local effects		5 mg/m <sup>3</sup>	
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	inhalation	Acute/short term exposure - local effects		5 mg/m <sup>3</sup>	
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	dermal	Long term exposure - systemic effects		0,6 mg/kg	
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	dermal	Long term exposure - local effects			
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	dermal	Acute/short term exposure - local effects			
3,5,5-Trimethylhexanoic acid 3302-10-1	General population	oral	Long term exposure - systemic effects		0,6 mg/kg	

**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:**

Goggles which can be tightly sealed.  
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**

Delivery form	liquid
Colour	yellow
Odor	citric, floral
Physical state	liquid
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 Aqueous solution
Explosive limits	Not applicable, The product is not flammable.
Flash point	> 100 °C (> 212 °F) 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 (20 °C (68 °F); Conc.: 100 % product)	7,9 - 8,9 PH-value, potentiometer
Viscosity (kinematic) (40 °C (104 °F); )	1 - 10 mm <sup>2</sup> /s
Viscosity, dynamic (; 20 °C (68 °F))	1,1 mPa.s no method / method unknown
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Miscible
Partition coefficient: n-octanol/water	Not applicable
Vapour pressure (20 °C (68 °F))	Mixture 23,4 mbar Values referring to water
Vapour pressure (50 °C (122 °F))	123 mbar Values referring to water
Density (20 °C (68 °F))	1,06 - 1,10 g/cm <sup>3</sup> Supplier method
Relative vapour density: (20 °C)	< 1
Particle characteristics	Not applicable 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

**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 CAS-No.	Value type	Value	Species	Method
Coco amine ethoxylate 61791-14-8	LD50	1.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
3,5,5-Trimethylhexanoic acid 3302-10-1	LD50	1.160 mg/kg	rat	OECD Guideline 401 (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 CAS-No.	Value type	Value	Species	Method
Coco amine ethoxylate 61791-14-8	LD50	> 5,000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
3,5,5-Trimethylhexanoic acid 3302-10-1	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)

**Acute inhalative toxicity:**

No data available.

**Skin corrosion/irritation:**

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

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Coco amine ethoxylate 61791-14-8	not irritating	2 h	rabbit	not specified
3,5,5-Trimethylhexanoic acid 3302-10-1	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

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

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
3,5,5-Trimethylhexanoic acid 3302-10-1	Category 1 (irreversible effects on the eye)		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
3,5,5-Trimethylhexanoic acid 3302-10-1	not sensitising	Guinea pig maximisation test	guinea pig	equivalent or similar to 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
3,5,5-Trimethylhexanoic acid 3302-10-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.



**STOT-repeated exposure:**

No data available.

**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.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Coco amine ethoxylate 61791-14-8	LC50	> 1 - < 10 mg/l	96 h	Leuciscus idus	DIN 38412-15
Amines, coco alkyl, ethoxylated 61791-14-8	LC50	0,48 mg/l	96 h		OECD Guideline 203 (Fish, Acute Toxicity Test)
3,5,5-Trimethylhexanoic acid 3302-10-1	LC50	122 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)

**Toxicity (aquatic invertebrates):**

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Coco amine ethoxylate 61791-14-8	EC50	27 mg/l	24 h	Daphnia magna	not specified
Amines, coco alkyl, ethoxylated 61791-14-8	EC50	0,37 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
3,5,5-Trimethylhexanoic acid 3302-10-1	EC50	68 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

**Chronic toxicity (aquatic invertebrates):**

No data available.

**Toxicity (Algae):**

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Coco amine ethoxylate 61791-14-8	NOEC	> 0,1 - 1 mg/l		Algae	not specified
3,5,5-Trimethylhexanoic acid 3302-10-1	EC50	81 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
3,5,5-Trimethylhexanoic acid 3302-10-1	NOEC	10 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

#### Toxicity (microorganisms):

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Coco amine ethoxylate 61791-14-8	EC0	45 mg/l	30 min		not specified
3,5,5-Trimethylhexanoic acid 3302-10-1	EC50	470 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

#### 12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Coco amine ethoxylate 61791-14-8	readily biodegradable	no data	83 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Amines, coco alkyl, ethoxylated 61791-14-8		aerobic	0 - 60 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
3,5,5-Trimethylhexanoic acid 3302-10-1	readily biodegradable	aerobic	96 %	21 d	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)

#### 12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
3,5,5-Trimethylhexanoic acid 3302-10-1	3,1 - 7	42 d		Cyprinus carpio	OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish)

#### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	LogPow	Temperature	Method
Coco amine ethoxylate 61791-14-8	1,24		OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
3,5,5-Trimethylhexanoic acid 3302-10-1	3,2	25 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	PBT / vPvB
3,5,5-Trimethylhexanoic acid 3302-10-1	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

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.

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## 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)	1,1 %

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

### National regulations/information (Germany):

WGK: WGK 2: significantly water endangering (Ordinance on facilities for handling substances that are hazardous to water (AwSV) )  
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:

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

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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