



## Safety Data Sheet according to GB/T 16483-2008

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BONDERITE S-AD 3305-C M BULK

MSDS-No. : 494278

V001.1

Revision: 01.04.2015

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### 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** BONDERITE S-AD 3305-C M BULK

**Company name:**

Henkel (China) Investment Co., Ltd.  
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**Revision date:** 01.04.2015

**Emergency information:** Emergency telephone: +86 532 8388 9090 (24h).

### 2. Hazards identification

**Classification of the substance or mixture according to GB 13690-2009 (General rule for classification and hazard communication of chemicals):**

**Hazard Class**

Skin sensitizer

**Hazard Category**

Category 1

**Route of Exposure**

Skin contact

**Label elements according to GB 15258-2009 (General rules for preparation of precautionary label for chemicals):**

**Hazard pictogram:**



**Signal word:** Warning

**Hazard statement:** H317 May cause an allergic skin reaction.

**Prevention:**  
P261 Avoid breathing dust/fume/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P321 Specific treatment (see this label).  
P363 Wash contaminated clothing before reuse.

**Disposal:** P501 Dispose of contents/container according to SDS section 13.

**3. Composition / information on ingredients****Declaration of the ingredients according to GB 13690-2009:**

Hazard component CAS-No.	Content	GHS Classification
Methenamine 100-97-0	10- 30 %	Flammable solids 2 H228 Skin sensitizer 1 H317
Amines, polyethylenepoly-, benzyl chloride- quaternized, polymers with glyoxal 78330-33-3	1- 5 %	Serious eye irritation 2 H319 Skin irritation 2 H315
Coco alkyl amine with EO, acetates (salts) 61791-15-9	1- 5 %	Acute toxicity 4 H302 Serious eye irritation 2 H319

Only hazardous ingredients for which a classification according to GB 13690-2009 is already available are displayed in this table. For full text of the Hazard statements see section 16 "Other information".

**4. First aid measures**

<b>Skin contact:</b>	Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Inhalation:</b>	Move to fresh air. If symptoms develop and persist, get medical attention.
<b>Ingestion:</b>	Get immediate medical attention. Do not induce vomiting.

**5. Fire fighting measures**

<b>Hazardous combustion products:</b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Fire-fighting method:</b>	In case of fire, keep containers cool with water spray.
<b>Notice and measures for firing fighting:</b>	This product is an aqueous mixture which will not burn. Wear full protective clothing. Wear self-contained breathing apparatus.

**6. Accidental release measures**

<b>Emergency measures:</b>	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up.
<b>Clean-up methods:</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal.
<b>Precautious measures to prevent secondary hazards:</b>	No information.

**7. Handling and storage**

**Notice for handling:**

Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.  
Avoid breathing vapors or mists of this product.  
Use only with adequate ventilation.  
Do not take internally.  
For industrial use only.

**Notice for storage:**

Avoid strictly temperatures below 0 °C and above + 50 °C.

**8. Exposure controls / personal protection**

Hazardous components	GBZ 2.1-2007	ACGIH	NIOSH	OSHA
Methenamine	none	none		none
Amines, polyethylenepoly-, benzyl chloride-quaternized, polymers with glyoxal	none	none		none
Coco alkyl amine with EO, acetates (salts)	none	none		none

**Engineering controls:**

Ensure good ventilation/extraction.

**Respiratory protection:**

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

**Eye protection:**

Goggles which can be tightly sealed.

**Body protection:**

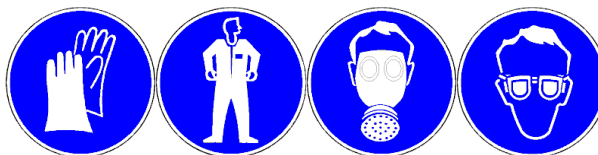
Suitable protective clothing

**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):  
nitrile rubber (NBR;  $\geq 0.4$  mm thickness)  
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):  
nitrile rubber (NBR;  $\geq 0.4$  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.

**Other protection:**

The selection of PPE shall at least compliant with "Law of the People's Republic of China on Prevention and Control of Occupational Diseases" and "Code of practice for selection of personal protective equipments" (GB/T 11651-2008).

**Pictograms for recommended PPE:****9. Physical and chemical properties**

Physical state:	liquid	Appearance:	brown liquid
pH:	6,50 - 7,50	Melting point:	Not available.
Boiling point:	Not available.	Density:	1,026 - 1,066 g/cm <sup>3</sup>
Flash point:	Not applicable	Ignition temperature:	Not available.
Solubility:	Not available.	Viscosity:	Not available.

**10. Stability and reactivity**

<b>Stability:</b>	Stable at normal conditions.
<b>Conditions to avoid:</b>	Elevated temperatures. Freezing conditions.
<b>Incompatible products:</b>	Strong acids.
<b>Decomposition products:</b>	Thermal decomposition can lead to release of irritating gases and vapors.

**11. Toxicological information****General toxicological information:**

No experimental toxicological data on the preparation as such is available.

**Other remarks:**

Not available.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Methenamine 100-97-0	LD50 LD50	9.200 mg/kg > 2.000 mg/kg	oral  dermal		rat rat	

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methenamine 100-97-0	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methenamine 100-97-0	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**12. Ecological information****General ecological information:**

Do not empty into drains / surface water / ground water.

**Ecotoxicity:**

May cause long-term adverse effects in the aquatic environment.

**Other adverse effects:**

In case of discharge of acid or alkali products in sewage treatment plants observe that their PH-value does not pass 5.5-9.5, PH-alterations may cause disturbances in biological plants. Follow the local instructions.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Methenamine 100-97-0	LC50	49.800 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Methenamine 100-97-0	EC50	36.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Methenamine 100-97-0	EC50	2.500 mg/l	Algae	14 d	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methenamine 100-97-0	NOEC	1.500 mg/l	Algae	14 d	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Methenamine 100-97-0		aerobic	8 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Methenamine 100-97-0	-4,15					

**13. Disposal considerations****Product disposal:**

If the waste is classified as hazardous waste according to GB 5085.7-2007 (Identification standards for hazardous wastes, General Specifications). Dispose of as hazardous waste in compliance with "Regulation on the Safety Management of Hazardous Chemicals", "Law of the People's Republic of China on the prevention and control of Environmental Pollution by Solid Waste", "National Catalogue of Hazardous Waste".

**Disposal of uncleaned packages:**

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

**14. Transport information****General information:**

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

**Notice For Transportation:**

Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

## 15. Regulatory information

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

“Law of the People's Republic of China on Work Safety” (Adopted by the 28th meeting of 9th NPC standing committee on 29th June 2002, revised by 10th meeting of 12nd NPC standing committee on 31st Aug 2014).

“Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases” (Adopted by the 24th meeting of 9th NPC standing committee on 27th October 2001, revised by 24th meeting of 11st NPC standing committee on 31st Dec 2011).

“Law of the People's Republic of China on environmental protection” (Adopted by 11st meeting of 7th NPC standing committee on 26th December 1989, revised by 8th meeting of 12nd NPC standing committee on 24th Apr 2014).

“Regulation on the Safety Management of Hazardous Chemicals” (Adopted by 144th State Council executive meeting on 16th February 2011).

“Regulations on License to Work Safety” (Adopted by 34th State Council executive meeting on 7th January 2004).

## 16. Other information

**Issue date:** 05.12.2017

**Issue department:** Regulatory Affairs

**Disclaimer:** 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. The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates (“Henkel”) does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user’s responsibility to determine the suitability of Henkel’s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel’s products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel’s products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**Others:** **The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:**

H228 Flammable solid.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.