

**Productname :** SERVISOL HEAT SINK  
COMPOUND NON SILICONE  
**Ref.Nr.:** UDS000585\_3\_20160704 (EN)

**Creationdate :** 04.07.16 Version : 1.0  
**Replaces:** UDS000585\_20120724

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

### 1.1. Product identifier

**SERVISOL HEAT SINK COMPOUND NON SILICONE**  
Bulk

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

Conduction electric/thermal

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

**CRC Industries UK Ltd.**  
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Castlefield Industrial Estate  
TA6 4DD Bridgwater Somerset  
United Kingdom  
Tel.: +44 1278 727200  
Fax.: +44 1278 425644  
E-mail : hse.uk@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Deutschland GmbH	Südring 9, D-76473 Iffezheim	(07229) 303 0	(07229)30 32 66

### 1.4. Emergency telephone number

(+44)(0)1278 72 7200

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

<b>Physical:</b>	Not classified
<b>Health:</b>	Not classified
<b>Environment:</b>	Hazardous to the aquatic environment, acute category 1 Very toxic to aquatic life with long lasting effects.
<b>Other hazards :</b>	Not classified

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008



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**Hazard pictogram(s):**

**Signal word:** Warning  
**Hazard statement(s):** H410 : Very toxic to aquatic life with long lasting effects.  
**Precautionary statement(s):** P101 : If medical advice is needed, have product container or label at hand.  
P102 : Keep out of reach of children.  
P273 : Avoid release to the environment.  
P501-2 : Dispose of contents/container to an authorised waste collection point.

**2.3. Other hazards**

None

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
zinc oxide	01-2119463881-32	1314-13-2	215-222-5	60-100	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	B
diphenylamine		122-39-4	204-539-4	<1	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1	H331,H311,H301,H373,H400,H410	
<b>Explanation notes</b>							
B : substance with national established workplace exposure limit							

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

**Contact with eyes :** If substance has got into eyes, immediately wash out with plenty of water for several minutes  
Seek medical attention if irritation persists

**Contact with skin :** Wash with water and soap.  
Seek medical attention if irritation persists

**Inhalation :** Fresh air, keep warm and at rest.  
Seek medical attention if ill effects occur

**Ingestion :** If swallowed do not induce vomiting  
Seek medical advice



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#### 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation :** Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Ingestion :** May cause gastrointestinal disturbances  
Symptoms : sore throat, abdominal pain, nausea, vomiting  
**Skin contact :** Mildly irritating to skin  
Symptoms : redness and pain  
**Eye contact :** Mildly irritating to eyes  
Symptoms : redness and pain

#### 4.3. Indication of any immediate medical attention and special treatment needed

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

#### 5.2. Special hazards arising from the substance or mixture

Forms hazardous decomposition products  
CO,CO2

#### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

### SECTION 6: Accidental release measures

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

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection.

#### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

#### 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material



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#### 6.4. Reference to other sections

For further information see section 8

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Use only in well ventilated areas  
Avoid contact with skin and eyes.  
Wash thoroughly after use  
Wear protective gloves/protective clothing/eye protection/face protection.

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

Keep in a cool, dry, well ventilated place  
Keep out of reach of children.

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

Conduction electric/thermal

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>National established exposure limits, United Kingdom</b>			
diphenylamine	122-39-4	TWA	10 mg/m3
		STEL	20 mg/m3

#### 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
Ensure adequate ventilation  
**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.  
**hands and skin :** Wear suitable protective gloves  
Recommended gloves: (butyl rubber)  
**eyes :** Wear safety goggles according to EN 166.

### SECTION 9: Physical and chemical properties



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

<b>Apperance : physical state :</b>	Paste.
<b>colour :</b>	White.
<b>odour :</b>	Odorless.
<b>pH :</b>	Not available.
<b>Boiling point/range :</b>	>250 °C
<b>Flash point :</b>	230 °C (Closed Cup)
<b>Evaporation rate :</b>	Not available.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	2.04 (@ 20°C).
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	425 °C
<b>Viscosity :</b>	Not available.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information



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### 11.1. Information on toxicological effects

#### Information on likely routes of exposure:

**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Ingestion :** May cause gastrointestinal disturbances  
**Skin contact :** May cause irritation.  
**Eye contact :** May cause irritation.

#### Toxicological data :

No information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, acute category 1  
Very toxic to aquatic life with long lasting effects.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
zinc oxide	1314-13-2	LC50 fish	1.1 mg/l
		EC50 daphnia	0.098 mg/l

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

No information available

### 12.4. Mobility in soil

Insoluble in water

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

No information available



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GWP (global warming potential): 0

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way.  
Do not discharge into drains or the environment, dispose to an authorised waste collection point.  
**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 3077

### 14.2. UN proper shipping name

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide,diphenylamine)

### 14.3. Transport hazard class(es)

Class: 9  
ADR/RID - Classification code: M7

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes  
IMDG - Marine pollutant: Marine pollutant  
IATA/ICAO - Environmentally hazardous: Yes

### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (E)  
IMDG - Ems: F-A, S-F  
IATA/ICAO - PAX: 956  
IATA/ICAO - CAO: 956

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code



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Not applicable.

## SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.

EU-directive 99/45/EC

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

\*Explanation risk-phrases: R33: Danger of cumulative effects.  
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*Explanation hazard statements: H301 : Toxic if swallowed.  
H311 : Toxic in contact with skin.  
H331 : Toxic if inhaled.  
H373 : May cause damage to organs through prolonged or repeated exposure  
.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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