



## Safety Data Sheet

Regulation EC No 1907/2006 Art.31

<b>Productname :</b>	SERVISOL HEAT SINK COMPOUND NON SILICONE	<b>Creationdate :</b>	24.07.12 Version : 1.0
<b>Ref.Nr.:</b>	UDS000585_3_20120724	<b>Replaces:</b>	UK20099

### 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**  
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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 67/548/EEC or 1999/45/EC:**

<b>Health:</b>	not classified
<b>Physical:</b>	not classified
<b>Environment:</b>	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Other hazards :</b>	not classified

**2.2. Label elements**

<b>Warning symbol(s) :</b>	N : DANGEROUS FOR THE ENVIRONMENT 
<b>Risk-phrase(s) :</b>	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Safety-phrase(s) :</b>	S2: Keep out of the reach of children. S57: Use appropriate container to avoid environmental contamination. S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

**2.3. Other hazards**

None

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

Not applicable.

**3.2. Mixtures**

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
zinc oxide	1314-13-2	215-222-5	60-100	N	50/53	B
C7-C9 Branched alkyl esters	125643-61-0	406-040-9	0-1	N	R51/53	
<b>Explanation notes</b>						
B : substance with national established workplace exposure limit						

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
zinc oxide		1314-13-2	215-222-5	60-100	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	B
<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

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
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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

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 :

No information available

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 against chemicals
	(nitrile)
eyes :	Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

11.1. Information on toxicological effects

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

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

:

<b>Product :</b>	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.
<b>Contaminated packaging :</b>	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, C7-C9 branched alkyl esters)

**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: 911  
IATA/ICAO - CAO: 911

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

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)

## 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

- |                                 |   |
|---------------------------------|---|
| *Explanation risk-phrases:      | R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>RR51/53 |
| *Explanation hazard statements: | H400 : Very toxic to aquatic life.<br>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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