

**Productname :** CS-90  
**Ref.Nr.:** UDS000841\_3\_20181213 (EN)

**Creationdate :** 13.12.18 Version : 2.0  
**Replaces:** UDS000841\_20170629

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

### 1.1. Product identifier

**CS-90**  
Bulk

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

Lubricants

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

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

### 1.4. Emergency telephone number

(+44)(0)1278 72 7200 (office hours)

## 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
Classification is based on test data.	
<b>Health:</b>	Not classified
Classification based on calculation method.	
<b>Environment:</b>	Hazardous to the aquatic environment, acute category 1
	Very toxic to aquatic life.
	Hazardous to the aquatic environment, chronic category 2
	Toxic to aquatic life with long lasting effects.
Classification based on calculation method.	

### 2.2. Label elements



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

**Hazard pictogram(s):**



**Signal word:** Warning  
**Hazard statement(s):** H400 : Very toxic to aquatic life.  
 H411 : Toxic to aquatic life with long lasting effects.  
**Precautionary statement(s):** P102 : Keep out of reach of children.  
 P273 : Avoid release to the environment.  
 P391 : Collect spillage.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

### 2.3. Other hazards

No information available

## 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
Copper	01-2119480154-42	7440-50-8	231-159-6	5-10	Acute Tox. 3, Acute Tox. 4, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1	H331,H302,H319,H400,H410	B,M
Graphite	01-2119486977-12	7782-42-5		5-10	-	-	G

**Explanation notes**

B : substance with national established workplace exposure limit  
 G : exempted from the obligation to register in accordance with art.2(7)of REACH Regulation No 1907/2006  
 M : M acute = 10

(\* 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.



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**Ingestion :** Seek medical attention if ill effects occur  
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

### 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



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### 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)

Lubricants

## 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>			
Copper	7440-50-8	TWA	1 mg/m3 (dust)
		STEL	2 mg/m3 (dust)

### 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 :** When handling the product wear chemical-resistant gloves (standard EN 374).



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The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

**Recommended gloves:** Nitrile  
**eyes :** Wear safety eyewear according to EN 166.

## SECTION 9: Physical and chemical properties

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

**Apperance : physical state :** Paste.  
**colour :** Brown.  
**odour :** Perceptible odour.  
**pH :** Not applicable.  
**Boiling point/range :** Not available.  
**Flash point :** Not available.  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not applicable.  
**lower limit :** Not applicable.  
**Vapour pressure :** Not available.  
**Relative density :** Not available.  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** Not applicable.  
**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



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## 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>acute toxicity:</b>	based on available data the classification criteria are not met
<b>skin corrosion/irritation:</b>	based on available data the classification criteria are not met
<b>serious eye damage/irritation:</b>	based on available data the classification criteria are not met
<b>respiratory or skin sensitisation:</b>	based on available data the classification criteria are not met
<b>germ cell mutagenicity:</b>	based on available data the classification criteria are not met
<b>carcinogenicity:</b>	based on available data the classification criteria are not met
<b>toxicity for reproduction:</b>	based on available data the classification criteria are not met
<b>STOT-single exposure:</b>	based on available data the classification criteria are not met
<b>STOT repeated exposure:</b>	based on available data the classification criteria are not met
<b>aspiration hazard:</b>	based on available data the classification criteria are not met

### Information on likely routes of exposure:

<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances
<b>Skin contact :</b>	May cause irritation.
<b>Eye contact :</b>	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.  
Hazardous to the aquatic environment, chronic category 2  
Toxic to aquatic life with long lasting effects.

### Ecotoxicological data:

No information available



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#### 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

**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. (Copper)

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

Class: 9  
ADR/RID - Classification code: M7

#### 14.4. Packing group

Packing group: III



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**14.5. Environmental hazards**

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

**14.6. Special precautions for user**

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

**14.7. Transport in bulk according to Annex II of MARPOL 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.  
 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 hazard statements: - : -

H302 : Harmful if swallowed.  
 H319 : Causes serious eye irritation.  
 H331 : Toxic if inhaled.  
 H400 : Very toxic to aquatic life.  
 H410 : Very toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : Classification according to Regulation (EC) No 1272/2008  
 8.2. Exposure controls

14.1. UN number  
 14.3. Transport hazard class(es)

acronyms and synonyms: TWA = time weight average  
 STEL = short time exposure limit  
 VOC = volatile organic compounds  
 PBT = persistant bioaccumulative toxic  
 vPvB = very persitant very bioaccumulative





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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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