

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Revive Oil System Care

Print date: 23.01.2013

Product code: 1293

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

#### 1.1. Product identifier

Revive Oil System Care

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

##### Use of the substance/mixture

Oil Performance Improver

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

Company Name: Revive, Global Business Group Ltd.

Email: [info@reviveproducts.de](mailto:info@reviveproducts.de)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

R phrases:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

##### R phrases

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### S phrases

02

Keep out of the reach of children.

46

If swallowed, seek medical advice immediately and show this container or label.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Inhibitors

Preventing agent

Mineral oils

Additives ashless

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### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	amine salt of a dialkyl dithio phosphoric acid	5 - 10 %
N/A	N - Dangerous for the environment R51-53	
	Aquatic Chronic 2; H411	

Full text of R and H phrases: see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes.  
Subsequently wash again with: Water and soap.  
Seek medical attention if problems persist.

#### After contact with eyes

Remove contact lenses.  
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

#### After ingestion

Rinse mouth thoroughly with water.  
Do not induce vomiting.  
Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.  
Irritation of eyes: Irritant effect possible.

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

Warning about danger of aspiration.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing powder.  
Sand.  
Carbon dioxide (CO<sub>2</sub>).  
Water spray.

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

High power water jet.

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

Formation of decomposition products possible.  
In case of fire and/or explosion do not breathe fumes.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Cool endangered container in case of fire.  
Beat down gas/vapours/mist with water spray.  
Contaminated fire-fighting water must be collected separately.

## SECTION 6: Accidental release measures

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

Wear a self-contained breathing apparatus and chemical resistant suit.  
High skid risk because of leaking or spilled product.

### **6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.  
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

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

Prevent spreading of spillages (e.g. by oil barrier).  
Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Material must only be handled in closed installations or systems.  
Avoid contact with skin and eyes.  
Avoid oil mist

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

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.  
Do not store at temperatures over: 50 °C

#### **Advice on storage compatibility**

Should be stored separately from oxidizing agents.

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

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Protective and hygiene measures**

Take off immediately all contaminated clothing  
Avoid contact with skin and eyes.  
Keep away from food, drink and animal feeding stuffs.  
When using do not eat, drink or smoke.  
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

#### **Respiratory protection**

In case of accumulation of fumes/aerosols, provide adequate ventilation.  
In case of fire: Wear self-contained breathing apparatus.

#### **Hand protection**

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

#### **Eye protection**

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

#### **Skin protection**

Wear suitable protective clothing.

## **SECTION 9: Physical and chemical properties**

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

Physical state:	viscous
Colour:	brown
Odour:	mild

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### Test method

#### Changes in the physical state

Flash point: > 100 °C

Lower explosion limits:

Upper explosion limits:

Density (at 20 °C): 0.84 - 0.90 g/cm<sup>3</sup>

Water solubility:  
(at 20 °C) insoluble

#### Solubility in other solvents

Organic solvents

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

No decomposition when used as intended.

Keep at temperature not exceeding 50 °C.

### 10.5. Incompatible materials

Oxidizing agents, acid, concentrated.

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
N/A	amine salt of a dialkyl dithio phosphoric acid					
	oral	LD50 mg/kg	>2000	rat.		

#### Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

#### Sensitising effects

no danger of sensitization.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name	Aquatic toxicity	Method	Dose	h	Species	Source
N/A	amine salt of a dialkyl dithio phosphoric acid						
	Acute fish toxicity	LC50	1-10 mg/l	96	Brachydanio rerio		

### 12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

#### Further information

Do not empty into drains or the aquatic environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

- Do not dispose with household waste.
- Do not empty into drains or the aquatic environment.
- Arrange about the exact waste code with the local waste disposal expert.

##### Contaminated packaging

- Container must be completely emptied.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### Other applicable information (land transport)

- Not a hazardous material with respect to transportation regulations.

#### Inland waterways transport (ADN)

##### Other applicable information (inland waterways transport)

- Not a hazardous material with respect to transportation regulations.

#### Marine transport (IMDG)

##### Other applicable information (marine transport)

- Not a hazardous material with respect to transportation regulations.

#### Air transport (ICAO)

##### Other applicable information (air transport)

- Not a hazardous material with respect to transportation regulations.

### SECTION 15: Regulatory information

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

##### EU regulatory information

##### Additional information

- Contains:  
5 - 15 % phosphates

##### National regulatory information

- Water contaminating class (D): 2 - water contaminating

### SECTION 16: Other information

#### Full text of R phrases referred to under Sections 2 and 3

- 51 Toxic to aquatic organisms.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.

#### Full text of H statements referred to under Sections 2 and 3

- H411 Toxic to aquatic life with long lasting effects.

#### Further Information

- The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.
- The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*