

**SAFETY DATA SHEET in accordance with EC rule 91 / 155 / EWG  
and 4th paragraph of the regulations for dangerous products**

**reworked on: 11.10.96**

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**1. PRODUCT and COMPANY IDENTIFICATION**

a) Product type:

Product name: Compound  
article nos.: SC 12

b) Information of the manufacturer / supplier:

OTEC-Präzisionsfinish GmbH  
Dieselstr. 12  
75334 Straubenhardt- Fel.  
Tel. 0049(0)7082 4911-20  
Fax. 0049 (0)7082 4911-29

c) Emergency information:

Department of safety and technic of the company OTEC or one of the  
toxicology medical centre.

**2. FIELD OF APPLICATION**

All- purpose compound with medium protection against corrosion for all kinds  
of metal; high cleaning efficiency; good brightening.  
Also applicable for ball- burnishing.

**3. NOTES ON APPLICATION**

Concentration: 2 - 10 g/ L  
OTEC Chips: all types of chips Vibro- finishing installations: suitable  
for all installations

**4. LABORATORY DATA**

- a) Contents: biodegradable tensides,  
organic acids, solubilizer
- b) Appearance: green pumpable, liquid
- c) pH- value (0,5%): 7, 8
- d) COD (0,5%): 3600 mg O<sub>2</sub>/ L
- e) Surface tension (0,5%): 31 mN/ m
- f) Density (20%): 1,033 g/ cm<sup>3</sup>
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**5. EFFLUENT TREATMENT**

is possible without any problems using our products type AR.

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**6. THE PRODUCT IS TO BE MARKED ACCORDING TO GERMAN LAW**

R 10: Inflammable.

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**7. CHEMICAL CHARACTERIZATION**

Biodegradable tensides, organic acids, solubilizer

- a) Form: liquid
- b) Colour: green
- c) Odour: aromatic
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**8. PHYSICAL DATA AND SAFETY DATA**

- a) Change in physical state: Melting point < 0 °C  
boiling point app. 100 °C
- b) Density: (20 °C) 1,033 g/ cm<sup>3</sup>  
Bulk density: kg/ m<sup>3</sup>
- c) Vapour pressure: (0 °C) mbar
- d) Viscosity: (20 °C) 10 cSt
- e) Solubility in water: (20 °C) unlimited
- f) pH value (at 5 g/L H<sub>2</sub>O): (20 °C) 7, 8
- g) Flash point: 32 °C DIN 51755
- h) Ignition temperature: °C

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- i) Explosion limits:                      Lower:                      Upper:  
j) Thermal decomposition:  
k) Hazardous decomposition:  
l) Further information:
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## **9. TRANSPORT**

GGVSee/ IMDG- Code: 3.3                      UN- No.: 1993                      ICAO/ IATA- DGR:  
GGVE/ GGVS: 3/31c                      RID/ ADR: 3/31c                      ADNR:

Other information:

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## **10. REGULATIONS**

Storage at + 5 °C to + 30 °C

The product is to be marked according to German law:

R 10 :                      Inflammable

Pay attention to common instructions when handling chemicals.

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DIN 52900 We refer to the exact wording of this norm.

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## **11. PROTECTIVE MEASURES, STORAGE AND HANDLING**

- a) Technical protective measures:    Keep container tightly closed
- b) Personal protective equipment
- Respiratory protection:
- Hand protection:
- Eye protection:
- Other:
- c) Industrial hygiene:                      Wash hands before breaks and after end of work.
- d) Protection against fire and explosion:                      Avoid open fire and sparks.
- e) Disposal:                      According to the local guide lines for waste and garbage dump. The Product should not be let off into water bodies without treatment.
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## **12. MEASURES IN CASE OF ACCIDENTS AND FIRES**

- a) After spillage / leakage /  
gas leakage:

Absorb with liquid absorbing material, Wash off  
the rest with water.

- b) Protection against fire and explosion:

No special measurement required.

Products are not dangerous for explosion and self ignition. Keep away from  
heat and fire sources.

- c) Storage:

Keep the cases always closed.

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## **8. EXPOSURE CONTROLS and PERSONAL PROTECTION**

- a) Additional information for technical units:

Refer to point 7.

- b) Components with limiting values to be controlled by the individual, responsible  
person:

No.

- c) Personal protection:

Respiration protection:

Skin protection:

Wear protective gloves.

Eye protection:

Wear protective glasses.

Please pay attention to the normal hygienically working regulations at the  
handling with chemicals.

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## **9. PHYSICAL and CHEMICAL PROPERTIES**

- a) Form: liquid  
b) Colour: slightly green  
c) Odour:  
d) Change into physical state:

Flashing point:	>100 °C
Relative density (20°C):	appr. 1,01g/cm <sup>3</sup>
Solubility in water:	(20 °C) can be mixed with water
pH-value (1%):	(20 °C) 8,8

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## **10. STABILITY and REACTIVITY**

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|---|-----------------------|
| a) <u>Thermal decomposition:</u>            | none at a correct use |
| b) <u>Material to be avoided:</u>           | Nitrous agents.       |
| c) <u>Hazardous decomposition products:</u> | none at a correct use |
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## **11. TOXICOLOGICAL INFORMATION**

- a) Acute toxicity:

None toxicity effects are known.

- b) Additional toxicological information:

After our experiences since years, no unwholesome attributes or dangerous health reactions became known. Products can be damaging to health, if you swallow up; then it is dangerous to get into the lungs.

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## **12. ECOLOGICAL INFORMATION**

- a) Persistence and degradability:

The tensides in the products are, with respect to the tenside regulations (TensV) dt. 04.06.1986 of the washing and cleaning media law (WRMG), to at least 90% readily biodegradable.

- b) Aquatic toxicology:

Acut toxicology rat oral, LD 50: > 2000 mg/kg weight (calculated, analogous Results, resp.) The product does not contain diethanolamin.

When passing acid or alkaline products into waste water treatment systems it has to be observed that the effluents do not exceed or remain below a pH value of 6-10, since different pH values may result in disturbance in sewer

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systems and biological cleaning plants. Adhere also to the local regulations for the disposal of effluents.

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### **13. DISPOSAL CONSIDERATION**

The product has to be disposed of especially in accordance with the local authorities.

Neutralization.

Waste code as per LAGA 54208 (Classification: fatty acid derivatives).

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### **14. TRANSPORT INFORMATION**

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### **15. REGULATORY INFORMATION**

Classification and description as to the 4<sup>th</sup> paragraph of the regulations for dangerous products.

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### **16. OTHER INFORMATION**

The above information is based on our latest knowledge and refer to the product in the delivered condition. It serves to describe our products with respect to safety procedures and is therefore not meant to guarantee certain characteristics.