

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 23.10.2008

Version : 3

Revision: 23.10.2008

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Anticorrosion additive RVH 600
- **Application of the substance / the preparation** Anticorrosion additive
- **Manufacturer/Supplier:**
 SAVAN CHEMIE AG
 Grundstrasse 10a
 CH-8712 Stäfa
 Tel. + 41 44 926 22 60
 Fax. + 41 44 926 22 91
 e-mail: savan@bluewin.ch
- **Further information obtainable from:** Dr.S. Savaskan Tel. + 41 44 926 22 60
- **Information in case of emergency:**
 Dr. Savaskan
 Tel. + 41 44 926 22 60

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 56-81-5	glycerol	10-25%
EINECS: 200-289-5		

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
 Generally the product does not irritate the skin.
 Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
 Under certain fire conditions, traces of other toxic gases cannot be excluded.
 Carbon monoxide (CO)
- **Protective equipment:**
 No special measures required.
 Wear self-contained respiratory protective device.

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(Contd. on page 2)

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(Contd. of page 1)

6 Accidental release measures

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
 - Dilute with plenty of water.
 - Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** No special measures required.
 - **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Storage between 0 - 50 °C
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Protect from frost.
 - **Storage class:** LGK (according VCI) non flammable liquid

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 glycerol

MAK (Germany)	50E mg/m ³
MAK (Switzerland)	Short-term value: 100 e mg/m ³ Long-term value: 50 e mg/m ³

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

(Contd. on page 3)

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(Contd. of page 2)

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Colourless
Odour:	Odourless

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 100°C (DIN 51751)
Solidification point:	-10°C (ISO 3016)

· **Flash point:** Not applicable.

· **Ignition temperature:** 150°C (DIN 51794)

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

Lower: 0,9 Vol %

· **Vapour pressure at 20°C:** 0,1 hPa

· **Density at 20°C:** 1,3 g/cm³

· Solubility in / Miscibility with water:

Fully miscible.

· **pH-value at 20°C:** 7

· Viscosity:

Kinematic at 20°C: 19 mm²/s (DIN 51562)

· Solvent content:

Organic solvents: 12,0 %

Water: 8,6 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** oxidizing material
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
 The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
 When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

(Contd. on page 4)

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(Contd. of page 3)

12 Ecological information

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**

- **Recommendation**

Smaller quantities can be disposed of with household waste.

Hand over to hazardous waste disposers.

- **European waste catalogue**

12 01 09	machining emulsions and solutions free of halogens
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- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

- **Maritime transport IMDG:**

- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

REACH: Obligates substances are pre-registered.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Abteilung Produktsicherheit

- **Contact:** Dr. S. Savaskan

- *** Data compared to the previous version altered.**