

Material Safety Data Sheet

According to 91/155 EEC



Printing date 05.04.2006

Reviewed on 06.02.2006

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1 Identification of substance

- **Product details**
- **Trade name:** SurTec 650
- **Article number(s):** 5553, 5554, 5555
- **Application of the substance / the preparation**
Anticorrosion additive
Passivator
- **Manufacturer / Supplier:**
SurTec Deutschland GmbH
SurTec-Straße 2
D-64673 Zwingenberg
Tel. : +49-6251-171-700
Fax : +49-6251-171-800
e-mail: mail@surtec.com
internet: www.surtec.com
- **Informing department:**
Technical central
Tel.: +49-6251-171-700, Fax: +49-6251-171-800
- **Emergency information:** Poison Information Mainz (Germany), Tel.: +49-6131-19240

2 Composition/Data on components

- **Chemical characterization:**
Mixture of the substances listed below with (harmless) additions.
- **Dangerous components:** void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man 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.

4 First aid measures

- **General information:** No special measures required.
- **after skin contact:**
The product is not skin irritating.
Rinse with warm water.
- **after eye contact:** Rinse opened eye for several minutes under running water.
- **after swallowing:**
Do not induce vomiting.
Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Hydrogen fluoride (HF)
After evaporation of water formation of following substances is possible:
- **Additional information:**
Collect contaminated fire fighting water separately. It must not enter drains.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Do not allow product to reach sewage system, water bodies, ground or soil.
If material reaches soil, water bodies or sewage system inform authorities responsible for such cases.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Prevent formation of aerosols.
- **Information about protection against explosions and fires:** The product is not flammable.
- **Storage**
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The stability which is noticed on the label is only duty by right storage of the product.

8 Exposure controls and personal protection

- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures should be adhered to in handling the chemicals.
Wash hands during breaks and at the end of the work.
Use skin protection cream for preventive skin protection.
- **Breathing equipment:**
Use breathing protection only when aerosol or mist is formed.
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Filter type FFP2SL
- **Protection of hands:** Protective gloves
- **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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form: liquid
Colour: green

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- Odour:** nearly odourless
- **Change in condition**
 - Melting point/Melting range:** 0°C
 - Boiling point/Boiling range:** 100°C
 - **Flash point:** not applicable
 - **Danger of explosion:** Product is not explosive.
 - **Steam pressure at 20°C:** 23 hPa
 - **Density at 20°C:** 1.005 g/cm³
 - **Solubility in / Miscibility with Water:** fully miscible
 - **pH-value at 20°C:** 3.1 - 4
 - **Viscosity:** fluid, watery
 - Organic solvents:** 0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Dangerous reactions:**
Contains small amounts of fluoride. Adding strong mineral acids may cause formation of hydrogen fluoride.
No dangerous reactions known.
- **Dangerous products of composition:** None at correctly use.

11 Toxicological information

- **Acute toxicity**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC 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 according to our experience and the information provided to us.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:**
This product is in full compliance with RoHS EU-Directive 2002/95/EC and WEEE EU-Directive 2002/96/EC.
- **Additional ecological information:**
- **AOX-indication:** The product does not contain organically bonded halogen compounds.
- **General notes:** Do not allow product to reach ground water, water bodies or sewage system.

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13 Disposal considerations:

- **Product:**
- **Recommendation:**
Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.
- **Waste disposal key number:**
The mentioned waste codes are recommendations based on the product application as suggested by the manufacturer. Special applications and special disposal conditions at the applicer's place may however require another waste code.
- **European waste catalogue**
11 01 99 wastes not otherwise specified
16 03 04 inorganic wastes other than those mentioned in 16 03 03
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information:

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** -
- **Maritime transport IMDG**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR**
- **ICAO/IATA Class:** -
- **Additional information:** No dangerous goods in accordance with the above orders.

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
Observe the normal safety regulations when handling chemicals.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water

16 Other information:

- These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- **Department issuing MSDS:** Product Safety Department
 - **Contact:**
Mr. Dipl.-Chem. B. Höferth, Tel.: +49-6251-171-754
Mr. Dipl.-Ing. O. Penz, Tel.: +49-6251-171-725 (Deputy)