

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 04/26/2007

Reviewed on 04/26/2007

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1 Identification of substance

- **Product details**
- **Trade name:** SurTec 650
- **Article number(s):** 5553
- **Application of the substance / the preparation**
Anticorrosion additive
Passivator
- **Manufacturer / Supplier:**
CST-SurTec, Inc.
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Middleburg Heights OH 44130
U.S.A.
phone: +1-440-239-9710
fax: +1-440-239-9705
e-mail: CSTplating@aol.com
internet: www.CSTPlating.com
- **Information department:** phone: +1-440-239-9710
- **Emergency information:** phone: +1-800-424-9300

2 Composition/Data on components

- **Chemical characterization:**
Mixture of the substances listed below with (harmless) additions.
- **Dangerous components:**
16923-95-8 dipotassium hexafluorozirconate < 1%
T, Xi; R 25-41-52/53
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** 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.
- **NFPA ratings (scale 0-4):**
Health = 0
Fire = 0
Reactivity = 0
- **HMIS ratings (scale 0-4)**
Health = 0
Flammability = 0
Reactivity = 0

4 First aid measures

- **General information:** No special measures required.
- **after skin contact:**
Generally the product does not irritate the skin.
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 resulting gases:**
Hydrogen fluoride (HF)

(Contd. on page 2)

—USA—

Material Safety Data Sheet

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Trade name: SurTec 650

(Contd. of page 1)

- **Additional information:**

Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:** Not required.

- **Measures for environmental protection:**

Do not allow product to reach sewage system, any water course, ground or soil.
In case of seepage into the ground, water course or sewage sytem inform responsible authorities.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose 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 limit 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 creation were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Use skin protection cream for skin protection.

- **Breathing equipment:**

Use suitable respiratory protective device only when aerosol or mist is formed.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device 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

(Contd. on page 3)

—USA—

Material Safety Data Sheet

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Trade name: SurTec 650

(Contd. of page 2)

9 Physical and chemical properties

· General Information

Form: liquid
Color: green
Odor: Nearly odorless

· Change in condition

Melting point/Melting range: 0°C (32°F)
Boiling point/Boiling range: 100°C (212°F)

· Flash point:

not applicable

· Danger of explosion:

Product does not present an explosion hazard.

· Vapor pressure at 20°C (68°F):

23 hPa (17 mm Hg)

· Density at 20°C (68°F):

1.005 g/cm³

· Solubility in / Miscibility with

Water: fully miscible

· pH-value at 20°C (68°F):

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 decomposition: None at correctly use.

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 according to our experience and the information provided to us.

12 Ecological information

· 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 course or sewage system.

(Contd. on page 4)

Material Safety Data Sheet

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Printing date 04/26/2007

Reviewed on 04/26/2007

Trade name: SurTec 650

(Contd. of page 3)

13 Disposal considerations:

- **Product:**
- **Recommendation:**
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **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 cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **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:** Not dangerous according to the above specifications.

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15 Regulations

- **Sara**
- **Section 355 (Extremely hazardous substances):**
None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
All ingredients are listed.
- **Proposition 65:**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.
- **Carcinogenity categories**
- **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
- **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**
16923-95-8 dipotassium hexafluorozirconate: A4

(Contd. on page 5)

Material Safety Data Sheet

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(Contd. of page 4)

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Markings according to EU guidelines:

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

Observe the normal safety regulations when handling chemicals.

· National regulations**· Technical instructions (air):****· Class Share in %****· III < 1**

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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.

· Contact: Ms. Dee Ruckgaber, phone: +1-440-239-9710

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