

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/24/2011

Reviewed on 06/24/2011

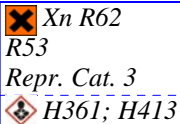
1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** *S-16*
- **Application of the substance / the preparation** *Defoamers, Anti-foaming agent*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Cortec Corporation
 4119 White Bear Parkway
 St. Paul, MN 55110 USA
 Phone (651) 429-1100
 Fax (651) 429-1122*
- **Information department:** *Product safety department.*
- **Emergency telephone number:** *Chemtec (for spill, leak, fire exposure or accident): 1-800-424-9300*

2 Composition/information on ingredients

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

- **Dangerous components:**

CAS: 556-67-2 EINECS: 209-136-7	octamethylcyclotetrasiloxane		3-10%
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- **Additional information** *For the wording of the listed risk phrases refer to section 16.*

3 Hazards identification

- **Classification of the substance or mixture**



GHS08 Health hazard

H361 Suspected of damaging fertility or the unborn child.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Harmful

Possible risk of impaired fertility.

- **Information concerning particular hazards for human and environment:** *Harmful if swallowed.*

- **Label elements**

- **GHS label elements** *The product is classified and labelled according to the Globally Harmonized System (GHS).*
- **Hazard pictograms** *GHS08*
- **Signal word** *Warning*

- **Hazard-determining components of labelling:**

octamethylcyclotetrasiloxane

- **Hazard statements**

Suspected of damaging fertility or the unborn child.

- **Precautionary statements**

Use personal protective equipment as required.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

(Contd. on page 2)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/24/2011

Reviewed on 06/24/2011

Trade name: S-16

(Contd. of page 1)

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system**
- **NFPA ratings (scale 0-4)**



Health = 1
Fire = 1
Reactivity = 0

- **HMIS rating system (0-4)**



Health = 1
Flammability = 1
Reactivity = 0

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** 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 Firefighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls/personal protection

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

(Contd. on page 3)

USA

Material Safety Data Sheet

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Printing date 06/24/2011

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Trade name: S-16

(Contd. of page 2)

- **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.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- | | |
|---|--|
| · General Information | |
| · Appearance: | |
| Form: | Liquid |
| Color: | Whitish |
| Odor: | Characteristic |
| · pH-value at 20°C (68 °F): | 7-8 (50% solution) |
| · Change in condition | |
| Melting point/Melting range: | undetermined |
| Boiling point/Boiling range: | undetermined |
| · Flash point: | Not applicable |
| · Auto igniting: | Product is not selfigniting. |
| · 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): | 0.98-1.01 g/cm ³ (8.178-8.428 lbs/gal) |
| · Solubility in / Miscibility with | |
| Water: | Soluble |
| · Solvent content: | |
| Organic solvents: | 0.0 % |
| Water: | 90-97 % |
| Solids content: | 5.0 % |
| · Other information | The above data are typical values and do not constitute a specification. |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

(Contd. on page 4)

Material Safety Data Sheet

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Printing date 06/24/2011

Reviewed on 06/24/2011

Trade name: S-16

(Contd. of page 3)

· **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Repeated or prolonged skin contact with this product may produce skin irritation.
 - **on the eye:** May be irritating.
- **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

- **Acquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **UN Number:** Not applicable
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN/ID Number:** Not applicable

(Contd. on page 5)

USA

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(Contd. of page 4)

· UN "Model Regulation": -

15 Regulatory information

· **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

· **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

· **Carcinogenicity 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.

· **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.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** GHS08

· **Signal word** Warning

· **Hazard-determining components of labelling:**

octamethylcyclotetrasiloxane

· **Hazard statements**

Suspected of damaging fertility or the unborn child.

· **Precautionary statements**

Use personal protective equipment as required.

Obtain special instructions before use.

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IF exposed or concerned: Get medical advice/attention.

Store locked up.

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· **National regulations**

· **Technical instructions (air):**

Class	Share in %
Wasser	93.0
I	7.0

USA

(Contd. on page 6)

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(Contd. of page 5)

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.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

NFPA: National Fire Protection Association (USA)

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