

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. Identification

**Product identifier:** Protectosil® WS 602

### Other means of identification

None.

### Recommended restrictions

**Recommended use:** For industrial use Hydro- and oleophobicizing agent

**Restrictions on use:** Not determined.

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation  
2 Turner Place  
Piscataway, NJ 08854  
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

### Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

### Hazard Classification

Not classified

### Environmental Hazards

Acute hazards to the aquatic environment      Category 3

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

### Precautionary Statements

**Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Alcohols, C11-14-iso-, C13-rich, ethoxylated		78330-21-9	0.1 - <1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:** Preparation of: organofunctional polysiloxane and Water.

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

#### Description of necessary first-aid measures

<b>Inhalation:</b>	If aerosol or mists are inhaled, take affected persons out into the fresh air. In case of persistent discomfort or other symptoms, consult a physician immediately.
<b>Skin Contact:</b>	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.
<b>Ingestion:</b>	Have the mouth rinsed with water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	None known.
<b>Hazards:</b>	None known.

#### Indication of immediate medical attention and special treatment needed

<b>Treatment:</b>	After absorbing large amounts of substance: administration of activated charcoal. Acceleration of gastrointestinal passage
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### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, foam, CO<sub>2</sub>, dry powder.

**Unsuitable extinguishing media:** None known.

**Special hazards arising from the substance or mixture:** Standard procedure for chemical fires.

**Special protective equipment and precautions for firefighters**

<b>Special fire fighting procedures:</b>	Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Ensure sufficient ventilation. Use personal protective equipment. Avoid contact with eyes, skin, and clothing.
<b>Accidental release measures:</b>	No data available.
<b>Methods and material for containment and cleaning up:</b>	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
<b>Environmental Precautions:</b>	Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

**7. Handling and storage****Handling**

<b>Technical measures (e.g. Local and general ventilation):</b>	Provide for good ventilation if vapours/aerosols are formed.
<b>Safe handling advice:</b>	Handle and open container with care. Handle in accordance with good industrial hygiene and safety practice. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. Do not breathe in vapours or aerosols.
<b>Contact avoidance measures:</b>	No data available.

**Storage**

<b>Safe storage conditions:</b>	Take precautionary measures against static charges, keep away from sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Do not store together with: strong acids, bases. Keep at temperature not exceeding 40°C. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

#### Appropriate Engineering Controls

Provide for good ventilation if vapours/aerosols are formed.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection:

Wear safety glasses with side shields.

#### Skin Protection

##### Hand Protection:

Material: Butyl rubber.

Break-through time:  $\geq$  480 min

Material: Fluorinated rubber (Viton)

Break-through time:  $\geq$  480 min

Additional Information: The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use.

##### Skin and Body Protection:

Safety showers and eye showers should be easily accessible. In order to determine further specifications applicable to the personal protection equipment, a hazard assessment according to the OSHA standards (29 CFR 1910.132) for personal protection equipment (PPE) is recommended before the product is used.

##### Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

##### Hygiene measures:

Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

**Physical state:** liquid

**Form:** liquid

<b>Color:</b>	White
<b>Odor:</b>	almost odorless
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	30 °F/-1 °C (ISO 3841)
<b>Boiling Point:</b>	Approximate 212 °F/100 °C (1,013 hPa) (ASTM D-1120)
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	> 201 °F/> 94 °C (DIN EN ISO 2719)
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	> 212 °F/> 100 °C
<b>pH:</b>	6.5 - 8.5 (DIN 38404-C5) (20 °C)
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	19 mPa.s (68 °F/20 °C, DIN 53015)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	miscible
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	23 hPa (68 °F/20 °C) Water.
<b>Relative density:</b>	No data available.
<b>Density:</b>	1.017 g/cm <sup>3</sup> (68 °F/20 °C) (DIN 51757)
<b>Bulk density:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Other information</b>	
<b>Explosive properties:</b>	No data available.
<b>Peroxides:</b>	Not applicable

## 10. Stability and reactivity

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong acids and strong bases.
<b>Hazardous Decomposition Products:</b>	Ethanol in case of hydrolysis. Alcohol formed by hydrolysis lowers the flash point of the product.

## 11. Toxicological information

### Information on toxicological effects

**Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Acute toxicity (list all possible routes of exposure)****Oral**

**Product:** Not classified for acute toxicity based on available data.

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** Possibly Irritating

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Alcohols, C11-14-iso-, C13-rich, ethoxylated Risk of serious damage to eyes. CESIO

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

Product name: Protectosil® WS 602

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**Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No evidence of aspiration toxicity**Information on health hazards****Other hazards****Product:** No toxicological tests are available on the product.;**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: No data available.

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**Mobility in soil:****Product** No data available.**Results of PBT and vPvB assessment:****Product** No data available.**Other adverse effects:****Other hazards****Product:** An Expert Judgment stated that no classification is necessary based on present knowledge.**Additional Information:** No ecotoxicological studies are available on the mixture.**13. Disposal considerations****Disposal methods:** Waste must be disposed of in accordance with federal, state, provincial and local regulations.**Contaminated Packaging:** Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities. Incorrect disposal or reuse of this container is illegal and can be dangerous. If there is product residue in the emptied container, follow directions for handling on the container's label. Other countries: observe the national regulations.**14. Transport information****Domestic regulation****49 CFR**

Not regulated as a dangerous good

**International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

Remarks : Not hazardous freight in air traffic (ICAO-TI / IATA-DGR).

**IMDG-Code**

Not regulated as a dangerous good

Remarks : Not classified as hazardous sea cargo (IMDG code).

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**15. Regulatory information****US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.



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**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**
**Hazard categories**

Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**
**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**16. Other information, including date of preparation or last revision**
**HMIS Hazard ID**

<b>Health</b>	1
<b>Flammability</b>	0
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Issue Date:** 06/08/2020

**Version #:** 2.0

**Further Information:** No data available.

**Revision Information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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