## 1. Identification
### 1.1. Product identifier
- **Trade name**: Protectosil ANTIGRAFFITI®
- **Chemical Name**: Protectosil ANTIGRAFFITI®

### 1.2. Recommended use of the chemical and restrictions on use
- **Relevant applications identified**: For industrial use

### 1.3. Details of the supplier of the safety data sheet
- **Company**: Evonik Corporation
  - 299 Jefferson Road
  - Parsippany, NJ 07054-0677
  - USA
- **Telephone**: 973-929-8000
- **Telefax**: 973-929-8040
- **Email address**: Product-Regulatory-Services@evonik.com

### 1.4. 24 HOUR EMERGENCY TELEPHONE NUMBERS:
- **CHEMTREC - US & CANADA**: 800-424-9300
- **CHEMTREC MEXICO**: 01-800-681-9531
- **CHEMTREC INTERNATIONAL**: +1 703-527-3887 (collect calls accepted)
- **Product Regulatory Services**: 973-929-8060

## 2. Hazards identification
### 2.1. Classification of the substance or mixture
- **Classification according to Regulation 29CFR 1910.1200**
- **Remarks**: Not a hazardous substance or mixture.

### 2.2. Label elements
- **Statutory basis**: Classification according to Regulation 29CFR 1910.1200
- **Remarks**: Not a hazardous substance or mixture.

### 2.3. Other hazards
- **None known.**

## 3. Composition / information on ingredients
Chemical nature
Preparation on the base:
Organofunctional silane system
and
water

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>&gt;= 1% - &lt; 5%</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>64-17-5</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
<tr>
<td>Methanol</td>
<td>&gt;= 0.1% - &lt; 1%</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>67-56-1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
<tr>
<td>Acute toxicity (Oral)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Acute toxicity (Inhalation)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Acute toxicity (Dermal)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Other information
This product contains a component that is subject to a TSCA Significant New Use Rule (SNUR). The limitations on the use of this product are that the product may only be used in anti-graffiti systems and the product may not be used in a way that creates a mist, aerosol, or other respirable form of the product. The product may not be sprayed and should be applied to surfaces via brush or roller. If a product containing the regulated component is distributed, further it is required that the distributor ensures that these limitations are communicated to downstream users.

4. First aid measures
4.1. Description of first aid measures

Inhalation
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.

Skin contact
Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

Eye contact
In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Ingestion
If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
None known

4.3. Indication of any immediate medical attention and special treatment needed
After absorbing large amounts of substance:
administration of activated charcoal.
Acceleration of gastrointestinal passage

5. Fire-fighting measures
SAFETY DATA SHEET
Protectosil ANTIGRAFFITI®

Material no. Specification Order number
Version Revision date Print date Page
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5.1. Extinguishing media
Suitable extinguishing media: Use water spray or fog, foam, dry chemical or CO2.
Unsuitable extinguishing media: None known.

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

5.3. Advice for firefighters
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.
Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA / NIOSH approved or equivalent) and full protective gear.
As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

6.2. Environmental precautions
Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

6.3. Methods and material for containment and cleaning up
Ventilate area. Absorb spill with inert material and place in a chemical waste container.
Additional advice
Remove sources of ignition and ventilate area.

7. Handling and storage
7.1. Precautions for safe handling
Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mist.
Follow all MSDS / label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities
Advice on protection against fire and explosion
Take precautionary measures against static charges, keep away from sources of ignition.

Storage
Keep containers tightly closed in a cool, well-ventilated place.

Further information
Keep tightly sealed in original packing. Protect from frost.
## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Methanol

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Skin designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm</td>
<td>Time Weighted Average (TWA): (ACGIH)</td>
</tr>
<tr>
<td></td>
<td>250 ppm</td>
<td>Short Term Exposure Limit (STEL): (ACGIH)</td>
</tr>
<tr>
<td></td>
<td>Can be absorbed through the skin.</td>
<td></td>
</tr>
<tr>
<td>Control parameters 200 ppm 260 mg/m³</td>
<td></td>
<td>Permissible exposure limit: (OSHA Z1)</td>
</tr>
<tr>
<td>Control parameters 200 ppm 260 mg/m³</td>
<td></td>
<td>Time Weighted Average (TWA) Permissible Exposure Limit (PEL): (US CA OEL)</td>
</tr>
<tr>
<td>Control parameters 1000 ppm</td>
<td>Ceiling Limit Value: (US CA OEL)</td>
<td></td>
</tr>
<tr>
<td>Control parameters 250 ppm 325 mg/m³</td>
<td>Short Term Exposure Limit (STEL): (US CA OEL)</td>
<td></td>
</tr>
<tr>
<td>Control parameters</td>
<td>Can be absorbed through the skin.</td>
<td>Skin designation: (US CA OEL)</td>
</tr>
<tr>
<td>Control parameters 200 ppm 260 mg/m³</td>
<td></td>
<td>Time Weighted Average (TWA): (TN OEL)</td>
</tr>
<tr>
<td>Control parameters 250 ppm 325 mg/m³</td>
<td></td>
<td>Short Term Exposure Limit (STEL): (TN OEL)</td>
</tr>
<tr>
<td>Control parameters</td>
<td>Can be absorbed through the skin.</td>
<td>Skin designation: (TN OEL)</td>
</tr>
</tbody>
</table>

#### Ethanol

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>1000 ppm 1900 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Permissible exposure limit: (OSHA Z1)</td>
</tr>
<tr>
<td>Control parameters 1000 ppm 1900 mg/m³</td>
<td>Time Weighted Average (TWA) Permissible Exposure Limit (PEL): (US CA OEL)</td>
</tr>
<tr>
<td>Control parameters 1000 ppm 1900 mg/m³</td>
<td>Short Term Exposure Limit (STEL): (ACGIH)</td>
</tr>
<tr>
<td>Control parameters 1000 ppm 1900 mg/m³</td>
<td>Time Weighted Average (TWA): (TN OEL)</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

#### Engineering measures

Provide for good ventilation if vapors/aerosols are formed.

#### Personal protective equipment

##### 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.

##### Hand protection

Glove material: for example, butyl-rubber
Material thickness: 0.5 mm
Break through time: >= 480 min
Glove material: Fluorinated rubber (Viton)
Material thickness: 0.4 mm
Break through time >= 480 min
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.
Selection of protective gloves to meet the requirements of specific workplaces.
Suitability for specific workplaces should be clarified with protective glove manufacturers.
Use impermeable gloves.

**Eye protection**
Use chemical splash goggles or face shield.

**Skin and body protection**
A safety shower and eye wash fountain should be readily available.
To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

**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

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>yellowish</td>
</tr>
<tr>
<td></td>
<td>orange</td>
</tr>
<tr>
<td></td>
<td>slightly turbid</td>
</tr>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>almost odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>pH</td>
<td>ca. 4</td>
</tr>
<tr>
<td></td>
<td>(1000 g/l)</td>
</tr>
<tr>
<td></td>
<td>(20 °C)</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>-1 °C</td>
</tr>
<tr>
<td></td>
<td>Method: ISO 3841</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>97 °C</td>
</tr>
<tr>
<td></td>
<td>(1013 hPa)</td>
</tr>
<tr>
<td></td>
<td>Method: ASTM D-1120</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 95 °C</td>
</tr>
<tr>
<td></td>
<td>Method: DIN EN ISO 2719 (Pensky-Martens, Closed Cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>23.4 hPa</td>
</tr>
<tr>
<td></td>
<td>(20 °C)</td>
</tr>
<tr>
<td>Water</td>
<td></td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>no data available</td>
</tr>
</tbody>
</table>
Density                      ca. 1.06 g/cm³ (20 °C)
Method:                     DIN 51757

Water solubility            miscible

Partition coefficient: n-octanol/water not determined

Autoignition temperature    not determined

Thermal decomposition       not determined

Viscosity, dynamic          ca. 1.6 mPa.s (20 °C)

9.2. Other information

Explosiveness                no data available

Surface tension             30.4 mN/m (20 °C)
Method:                     OECD 115

% VOC (gm/l)                 0

Other information           Vapors can form explosive mixtures with air.

10. Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

None known

Stable under normal conditions.
Product will not undergo hazardous polymerization.

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity
LD50 Rat: > 2000 mg/kg
Method: OECD 423
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity
LC50 Rat: > 5.5 mg/l / 4 h / dust/mist
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Order number

Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity
No data available

Skin irritation
Rabbit
No skin irritation
Method: OECD Test Guideline 404

Eye irritation
Rabbit
No eye irritation
Method: OECD Test Guideline 405

Sensitization
(Magnusson-Kligman test) Guinea pig: Does not cause skin sensitization.
Method: OECD Test Guideline 406

Repeated dose toxicity
Inhalative Rat
Testing period: 90 d
No toxicological effects relevant to classification

Assessment of STOT single exposure
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Assessment of STOT repeat exposure
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Risk of aspiration toxicity
No evidence of aspiration toxicity

Mutagenicity in vitro
Ames test Salmonella typhimurium
no evidence of mutagenic effects
Method: OECD TG 471

Carcinogenicity
No evidence that cancer may be caused.

Risk of reproduction
No data available

Toxicological information on components
Methanol

Acute oral toxicity
LD50 Rat: 2963 mg/kg
(literature value)

Acute toxicity estimate: 100 mg/kg
Method: Expert judgement

Acute inhalation toxicity
Acute toxicity estimate: 3 mg/l / vapor
Method: Expert judgement

Acute dermal toxicity
Acute toxicity estimate: 300 mg/kg
Method: Expert judgement

Skin irritation
Rabbit
No skin irritation
### Eye irritation

**Rabbit**

No eye irritation

**Method:** OECD Test Guideline 405

### Sensitization

Maximization test Guinea pig: Does not cause skin sensitization.

**Method:** OECD Test Guideline 406

### Repeated dose toxicity

**Oral Monkey**

**LOAEL:** 2340 mg/kg

### Assessment of STOT single exposure

Assessment:

Causes damage to organs.

### Assessment of STOT repeat exposure

No evidence for hazardous properties

### Risk of aspiration toxicity

No evidence of aspiration toxicity

### Gentoxicity in vitro

Ames test Salmonella typhimurium

**negative**

**Method:** OECD Test Guideline 471

### Gentoxicity in vivo

Chromosomal aberration Mouse intraperitoneal (i.p.)

**negative**

**Method:** OECD Test Guideline 474

### Teratogenicity assessment

Potential embryo-foetal toxicity and teratogenicity.

### Human experience

Liver and kidney injuries may occur.

### Further information

Material contains methanol. Harmful if inhaled or absorbed through skin; causes damage to liver, kidney and nervous system. Causes eye, skin, nose and throat irritation. May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

### Ethanol

#### Acute oral toxicity

**LD50 Rat:** 7060 mg/kg

**RTECS**

**LD50 Rat:** 10470 mg/kg

**Method:** OECD Test Guideline 401 literature

#### Acute inhalation toxicity

**LC50 Rabbit:** 117 - 125 mg/l / 4 h / vapor

**Method:** OECD Test Guideline 403 literature

#### Acute dermal toxicity

**LD50 Rabbit:** > 20000 mg/kg

**Method:** OECD Test Guideline 404 literature

#### Skin irritation

**Rabbit**

not irritating

**Method:** OECD Test Guideline 404 literature
### Eye irritation

**Rabbit**
- Not irritating
- Method: OECD Test Guideline 405
- Literature

### Sensitization

**Local Lymphnode Assay Mouse:** No sensitizing effects.
- Method: OECD TG 429
- Literature

### Assessment of STOT single exposure

No evidence for hazardous properties

### Assessment of STOT repeat exposure

No evidence for hazardous properties

### Risk of aspiration toxicity

No evidence of aspiration toxicity

### Genotoxicity in vitro

**Ames test Salmonella typhimurium**
- Negative
- Method: OECD TG 471
- Literature

**Gene mutation TK +/- mouse lymphoma cell (L5178Y)**
- Negative
- Method: OECD TG 476
- Literature

### Mutagenicity assessment

This product contains an ingredient that has been shown to produce mutagenic effects in in vivo testing.

### 12. Ecological information

#### 12.1. Toxicity

**Toxicity to fish**
- **LC50 Brachydanio rerio:** > 1000 mg/l / 96 h
- Method: OECD TG 203

- **LC0 Brachydanio rerio:** >= 1000 mg/l / 96 h
- Method: OECD TG 203

#### 12.2. Persistence and degradability

**Biodegradability**
- **Exposure time:** 28 d
- **Result:** 62% Readily biodegradable.
- Method: (CO2; modif. Sturm test / OECD 301 B)

#### 12.3. Bioaccumulative potential

**Bioaccumulation**
- Low

#### 12.4. Mobility in soil

**Mobility**
- Adsorption on the floor: low
12.5. Other adverse effects

Further Information

The data we have at our disposal do not necessitate identification concerning environmental hazard.

13. Disposal considerations

13.1. Waste treatment methods

Product

Waste must be disposed of in accordance with federal, provincial, state and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH.

Uncleaned packaging

Packaging, that cannot be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations. Incorrect disposal or reuse of this container is illegal and can be dangerous. Other countries: observe the national regulations.

14. Transport information

Not dangerous according to transport regulations.

14.1. UN number: --
14.2. UN proper shipping name: --
14.3. Transport hazard class(es): --
14.4. Packing group: --
14.5. Environmental hazards (Marine pollutant): --
14.6. Special precautions for user: Yes

Not dangerous according to transport regulations.

15. Regulatory information

US Federal

Regulations OSHA

If listed below, chemical specific standards apply to the product or components:

- None listed

Clean Air Act Section (112)

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- Methanol
  CAS-No. 67-56-1
CERCLA Reportable Quantities
If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:
- None listed

SARA Title III Section 311/312 Hazard Categories
The product meets the criteria only for the listed hazard classes:
- Chronic Health Hazard

SARA Title III Section 313 Reportable Substances
If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
- None listed

Toxic Substances Control Act (TSCA)
If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:
- None listed

Other US Federal Regulatory Information
This product contains a component that is subject to a TSCA Significant New Use Rule (SNUR). The limitations on the use of this product are that the product may only be used in anti-graffiti systems and the product may not be used in a way that creates a mist, aerosol, or other respirable form of the product. The product may not be sprayed and should be applied to surfaces via brush or roller. If a product containing the regulated component is distributed, further it is required that the distributor ensure that these limitations are communicated to downstream users.

State Regulations
The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this MSDS.

California Proposition 65
A warning under the California Drinking Water Act is required only if listed below:
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
- Methanol
  CAS-No. 67-56-1

An employer using HMIS/NFPA labeling must through training ensure that its employees are fully aware of the hazards of the chemicals used.
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Specification 116768
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HMIS Ratings
Health : 1
Flammability : 1
Physical Hazard : 0

NFPA Ratings
Health : 1
Flammability : 1
Reactivity : 0

16. Other information
Further information

Revision date 05/01/2015

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

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<table>
<thead>
<tr>
<th>Legend</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC</td>
<td>American Chemistry Council</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>ACS</td>
<td>Advisory Committee on Sustainability</td>
</tr>
<tr>
<td>ADI</td>
<td>Acceptable Daily Intake</td>
</tr>
<tr>
<td>ASTM</td>
<td>American Society for Testing and Materials</td>
</tr>
<tr>
<td>ATP</td>
<td>Adaptation to Technical Progress</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>BOD</td>
<td>Biochemical oxygen demand</td>
</tr>
<tr>
<td>c.c.</td>
<td>closed cup</td>
</tr>
<tr>
<td>CAO</td>
<td>Cargo Aircraft Only</td>
</tr>
<tr>
<td>Carc</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Services</td>
</tr>
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<td>CDN</td>
<td>Canada</td>
</tr>
<tr>
<td>C E PA</td>
<td>Canadian Environmental Protection Act</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response – Compensation and Liability Act</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>CMR</td>
<td>carcinogenic- mutagenic-toxic for reproduction</td>
</tr>
<tr>
<td>COD</td>
<td>Chemical oxygen demand</td>
</tr>
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<td>DIN</td>
<td>German Institute for Standardization</td>
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<tr>
<td>DM EL</td>
<td>Derived minimum effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived no effect level</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EC50</td>
<td>half maximal effective concentration</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>ErC50</td>
<td>Reduction of Growth Rate</td>
</tr>
<tr>
<td>ERG</td>
<td>Emergency Response Guide Book</td>
</tr>
<tr>
<td>FDA</td>
<td>Food and Drug Administration</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</td>
</tr>
<tr>
<td>GLP</td>
<td>Good Laboratory Practice</td>
</tr>
<tr>
<td>GMO</td>
<td>Genetic Modified Organism</td>
</tr>
<tr>
<td>HCS</td>
<td>Hazard Communication Standard</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
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<td>IBC</td>
<td>Intermediate Bulk Container</td>
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<td>International Civil Aviation Organization- Technical Instructions</td>
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<td>International Council of Chemical Association</td>
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<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
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<td>IUPAC</td>
<td>International Union of Pure and Applied Chemistry</td>
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<tr>
<td>ISO</td>
<td>International Organization for Standardization</td>
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<tr>
<td>LC50</td>
<td>50 % Lethal Concentration</td>
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<tr>
<td>LD50</td>
<td>50 % Lethal Dose</td>
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<tr>
<td>L(E)C 50</td>
<td>LC50 or EC50</td>
</tr>
<tr>
<td>LOA EL</td>
<td>Lowest observed adverse effect level</td>
</tr>
<tr>
<td>LOEL</td>
<td>Lowest observed effect level</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No observed adverse effect level</td>
</tr>
<tr>
<td>NOEC</td>
<td>no observed effect concentration</td>
</tr>
<tr>
<td>NOEL</td>
<td>no observed effect level</td>
</tr>
<tr>
<td>o. c.</td>
<td>open cup</td>
</tr>
<tr>
<td>OECD</td>
<td>Organization for Economic Cooperation and Development</td>
</tr>
<tr>
<td>OEL</td>
<td>Occupational Exposure Limit</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, bioaccumulative, toxic</td>
</tr>
<tr>
<td>PEC</td>
<td>Predicted effect concentration</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted no effect concentration</td>
</tr>
<tr>
<td>RQ</td>
<td>Reportable Quantity</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STOT</td>
<td>Specific Target Organ Toxicity</td>
</tr>
<tr>
<td>UN</td>
<td>United Nations</td>
</tr>
<tr>
<td>vPvB</td>
<td>very persistent, very bioaccumulative</td>
</tr>
<tr>
<td><strong>SAFETY DATA SHEET</strong></td>
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<tr>
<td>------------------------</td>
<td>------------------------</td>
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<td><strong>Protectosil ANTIGRAFFITI®</strong></td>
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<tr>
<td><strong>Material no.</strong></td>
<td><strong>Version</strong></td>
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<tr>
<td><strong>Specification</strong></td>
<td><strong>Revision date</strong></td>
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<td><strong>14 10 / 14</strong></td>
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**VOC**  
Volatile organic compounds

**WHMIS**  
Workplace Hazardous Materials Information System

**WHO**  
World Health Organization