SAFETY DATA SHEET
Protectosil ANTIGRAFFITI® SP

Material no. 151764
Specification
Order number
Version 4.0
Revision date 05/19/2015
Print date 09/16/2015
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1. Identification

1.1. Product identifier
Trade name
Protectosil ANTIGRAFFITI® SP

1.2. Recommended use of the chemical and restrictions on use
Relevant applications identified
Anti-graffiti coating

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

- NJTSR No.56705700001-6994P
  1% - 5%
  Trade Secret
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Remarks
Not a hazardous substance or mixture.

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 ensure 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

5.1. Extinguishing media

Suitable extinguishing media: Water spray, foam, Carbon dioxide (CO2), dry powder

Unsuitable extinguishing media: High volume water jet.

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.
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
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).

7. Handling and storage

7.1. Precautions for safe handling
Do not inhale mist / aerosols. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities
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
Other information
Contains no substances with occupational exposure limit values.

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 \( \geq 480 \) min

Glove material for example, Fluorinated rubber (Viton)
Material thickness 0.4 mm
Break through time \( \geq 480 \) min
Selection of protective gloves to meet the requirements of specific workplaces. Suitability for specific workplaces should be clarified with protective glove manufacturers. The information is based on our own tests, references from the literature and information from glove manufacturers, or derived by analogy with similar materials.

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.

**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**

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. Remove contaminated or saturated clothing. Wash contaminated clothing before re-use.

### 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, slightly turbid</td>
</tr>
<tr>
<td>Form</td>
<td>viscous liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>acrylic-like</td>
</tr>
<tr>
<td>pH</td>
<td>4.4 (1000 g/l)</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>99 °C (1013 hPa)</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 95 °C (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>not determined</td>
</tr>
<tr>
<td>Density</td>
<td>1.014 g/cm³ (20 °C) (Method: DIN 51757)</td>
</tr>
<tr>
<td>Water solubility</td>
<td>miscible</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>not determined</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>not determined</td>
</tr>
</tbody>
</table>
9.2. Other information

no data available

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
Protect from frost.

10.5. Incompatible materials
None known

10.6. Hazardous decomposition products
None known

11. Toxicological information

11.1. Information on toxicological effects

Test data from comparable products:

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

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): Does not cause skin sensitization.
Method: OECD Test Guideline 406

Gentoxicity in vitro
Ames test Salmonella typhimurium
no evidence of mutagenic effects

Carcinogenicity assessment Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

12. Ecological information

12.1. Toxicity

Test data from comparable products:

Toxicity to fish

LC50 Brachydanio rerio: > 1000 mg/l / 96 h
Method: OECD 203

LC0 Brachydanio rerio: 1000 mg/l / 96 h
Method: OECD 203

12.2. Persistence and degradability

Biodegradability No data available

12.3. Bioaccumulative potential

Bioaccumulation No data available

12.4. Mobility in soil

Mobility No data available

12.5. Other adverse effects

Further Information Do not allow to enter waste water drains, watercourse or soil.

13. Disposal considerations

13.1. Waste treatment methods

Product
Waste must be disposed of in accordance with federal, state, provincial and local regulations.

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.
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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:
   • None listed

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:
   • No SARA Hazards

SARA Title III Section 313 Reportable Substance s
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

State Regulations

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.

HMIS Ratings

Health : 1
Flammability : 0
Physical Hazard : 0

NFPA Ratings

Health : 1
Flammability : 0
Reactivity : 0

16. Other information

Further information

Revision date 05/19/2015

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

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