

SAFETY DATA SHEET**Protectosil® ANTIGRAFFITI SP**

Material no.		Version	5.2 / US
Specification	151764	Revision date	10/19/2018
Order Number		Print Date	11/16/2018
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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 For industrial use
for professional users
anti-graffiti coating
Surface treatment of porous minerals
Treatment of mineral surfaces

1.3. Details of the supplier of the safety data sheet

Company Evonik Corporation USA
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USA

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1.4. 24 HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC - US & CANADA: 800-424-9300

CHEMTREC MEXICO: 01-800-681-9531

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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

See chapter 7.1

3. Composition/information on ingredients

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Other information

This product contains a component that is subject to TSCA Significant New Use Rule (SNUR) which limits the application of the substance to surfaces via brush or roller. The US EPA has issued a TSCA 5(e) Consent Order that allows for spray application of the product with a requirement of a respiratory program and a monitoring program. These requirements can be fulfilled in collaboration with Evonik Industries. If a product containing the regulated component is distributed further, the distributor is required to communicate the Consent Order requirements to the 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

Hazards

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.

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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.

In case of fire: wear a self contained respiratory apparatus

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).

Additional advice

Remove sources of ignition and ventilate area.

7. Handling and storage**7.1. Precautions for safe handling**

Avoid breathing aerosol. This may cause respiratory complications. Please refer to our web site: www.protectosil.com Spray applications in building protection: Please observe our instructions for use in our product information/technical data sheets; available at www.protectosil.com Benefit from our "Technical Training Program" If a product contains this active substance and is resold again, the distributor shall have to assure that this information will be communicated to the subsequent users. 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**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 vapours/aerosols are formed.

Personal protective equipment

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Respiratory protection

A full face NIOSH-approved respirator with APF of 1000 is required.

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

physical state	liquid		
Colour	yellowish, slightly turbid		
Form	viscous liquid		
Odour	acrylic-like		
Odour Threshold	not determined		
pH	4.4	(1000 g/l)	Medium: Water
Melting point/range	not determined		
Boiling point/range	99 °C	(1013 hPa)	
Flash point	> 95 °C	Method: DIN EN ISO 2719 (Pensky-Martens, Closed Cup)	
Evaporation rate	not determined		

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Flammability (solid, gas)	no data available
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapour pressure	not determined
Density	1.014 g/cm ³ (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	42.1 mPa.s (20 °C) Method: DIN 53 015

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

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

11. Toxicological information**11.1. Information on toxicological effects**

Test data from comparable products:

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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 sensitisation. 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 effectsFurther Information Test data from comparable products:
Do not allow to enter waste water drains, watercourse or soil.

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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 can not 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:

- None listed

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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 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

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The US EPA has issued a TSCA 5(e) Consent Order that allows for spray application of the product with a requirement of a respiratory program and a monitoring program.

These requirements can be fulfilled in collaboration with Evonik Industries. If a product containing the regulated component is distributed further, the distributor is required to communicate the Consent Order requirements to the downstream users.

The proprietary substance is subject to export notification under section 12 (b) of TSCA. The Chemical Nature of this product is, Aqueous formula based on a fluoro-organo-functional polysiloxane, which is Nonhazardous under Classification according to Regulation 29CFR 1910.1200.

State Regulations**California Proposition 65**

A warning under the California Drinking Water Act is required only if listed below:

WARNING: This product can expose you to the following chemical, which is known to the State of California to cause birth defects or other reproductive harm (For more information go to www.p65warning.ca.gov).

- 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

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Flammability : 1
Physical Hazard : 0

NFPA Ratings

Health : 1
Flammability : 1
Reactivity : 0

16. Other information**Further information**

Revision date 10/19/2018

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
CEPA	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
DMEL	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

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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-TI	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)C50	LC50 or EC50
LOAEL	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	Organisation 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
voc	volatile organic compounds
WHMIS	Workplace Hazardous Materials Information System
WHO	World Health Organization