

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 30.05.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking*** 1.1 Product identifier***** Trade name** **Graffiti Protection***** Article number:** 0685*** 1.2 Relevant identified uses of the substance or mixture and uses advised against***** Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

*** Product category** PC0 Other*** Process category**

PROC7 Industrial spraying

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

*** Environmental release category**

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC10a Widespread use of articles with low release (outdoor)

ERC11a Widespread use of articles with low release (indoor)

*** Application of the substance / the mixture** Surface protection*** 1.3 Details of the supplier of the safety data sheet***** Manufacturer/Supplier:**

Remmers GmbH

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Remmers (UK) Limited
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*** Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010

E-Mail: sales@remmers.co.uk

*** 1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

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24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

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SECTION 2: Hazards identification

- * **2.1 Classification of the substance or mixture**
- * **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.

-
- * **2.2 Label elements**
 - * **Labelling according to Regulation (EC) No 1272/2008** Void
 - * **Hazard pictograms** Void
 - * **Signal word** Void
 - * **Hazard statements** Void
 - * **2.3 Other hazards**
 - * **Results of PBT and vPvB assessment**
 - * **PBT:** Not applicable.
 - * **vPvB:** Not applicable.

* SECTION 3: Composition/information on ingredients

- * **3.2 Chemical characterisation: Mixtures**
- * **Description:** Mixture of the substances listed below with harmless additions.
- * **Dangerous components:**

CAS: 35435-21-3	Triethoxy(2,4,4-trimethylpentyl)silane	2.5-5%
Reg.nr.: 01-2119555666-27-XXXX	Flam. Liq. 3, H226	

- * **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- * **4.1 Description of first aid measures**
- * **General information** No special measures required.
- * **After inhalation** Seek medical treatment in case of complaints.
- * **After skin contact** If skin irritation continues, consult a doctor.
- * **After eye contact** Rinse opened eye for several minutes under running water.
- * **After swallowing**
Rinse out mouth immediately with plenty of water and administer plenty of water in small swallows (diluting effect).
Seek medical treatment.
- * **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- * **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.
symptomatic treatment

SECTION 5: Firefighting measures

- * **5.1 Extinguishing media**
- * **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- * **5.2 Special hazards arising from the substance or mixture**
May be released in case of fire
Carbon monoxide (CO)
Carbon dioxide
- * **5.3 Advice for firefighters**
- * **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- * **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
- * **6.2 Environmental precautions:**
Do not allow to enter the ground/soil.

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Dilute with plenty of water.

- * **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- * **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- * **7.1 Precautions for safe handling**
Use only in well ventilated areas.
No special measures required.
- * **Information about protection against explosions and fires:** No special requirements.
- * **7.2 Conditions for safe storage, including any incompatibilities**
- * **Storage**
- * **Requirements to be met by storerooms and containers:** No special requirements.
- * **Information on storage in a common storage facility:** none
- * **Further information about storage conditions:** None.
- * **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- * **Additional information about design of technical systems:** No further data; see item 7.
- * **8.1 Control parameters**
- * **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.
- * **Additional information:** The lists that were valid during compilation were used as a basis.
- * **8.2 Exposure controls**
- * **Personal protective equipment**
- * **General protective and hygienic measures**
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
- * **Respiratory equipment:**
Respiratory protection if there is a risk of splashes/mist.
Particle-Filter P2.
- * **Protection of hands:**
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
- * **Material of gloves**
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- * **Eye protection:** Safety glasses recommended during refilling.
- * **Body protection:** Light weight protective clothing

SECTION 9: Physical and chemical properties

- * **9.1 Information on basic physical and chemical properties**
- * **General Information**
- * **Appearance:**

Form:	Fluid
Colour:	Cloudy
- * **Odour:** Characteristic
- * **Odour threshold:** Not determined.

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* pH-value at 20 °C:	8.5
* Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	100 °C
* Flash point:	Not applicable
* Inflammability (solid, gaseous)	Not applicable.
* Ignition temperature:	not applicable
* Decomposition temperature:	Not determined.
* Self-inflammability:	Product is not self-igniting.
* Danger of explosion:	Product is not explosive.
* Explosive Limits:	
Lower:	Not determined.
Upper:	Not determined.
* Vapour pressure at 20 °C:	23 hPa
* Density at 20 °C	1 g/cm ³
* Relative density	Not determined.
* Vapour density	Not determined.
* Evaporation rate	Not determined.
* Solubility in / Miscibility with	
Water:	Fully miscible
* Distribution coefficient (n-octanol/water):	Not determined.
* Viscosity:	
dynamic:	Not determined.
kinematic at 20 °C:	12 s (DIN 53211/4)
* Solvent separation test	< 3 %
* 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- * **10.1 Reactivity** No further relevant information available.
- * **10.2 Chemical stability**
- * **Thermal decomposition / conditions to be avoided:**
No decomposition if handled and stored according to specifications.
- * **10.3 Possibility of hazardous reactions** No dangerous reactions known
- * **10.4 Conditions to avoid** No further relevant information available.
- * **10.5 Incompatible materials:** No further relevant information available.
- * **10.6 Hazardous decomposition products:**
None if stored properly.
None if used properly.

SECTION 11: Toxicological information

- * **11.1 Information on toxicological effects**
- * **Acute toxicity:** Based on available data, the classification criteria are not met.
- * **LD/LC50 values that are relevant for classification:**
- ATE (Acute Toxicity Estimates)**
Oral LD50 2000000 mg/kg (rat)
- * **Primary irritant effect:**
- * **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- * **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

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- * **Sensitisation:** Based on available data, the classification criteria are not met.
- * **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- * **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- * **Carcinogenicity** Based on available data, the classification criteria are not met.
- * **Reproductive toxicity** Based on available data, the classification criteria are not met.
- * **STOT-single exposure** Based on available data, the classification criteria are not met.
- * **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- * **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- * **12.1 Toxicity**
- * **Aquatic toxicity:** No further relevant information available.
- * **12.2 Persistence and degradability** No further relevant information available.
- * **12.3 Bioaccumulative potential** No further relevant information available.
- * **12.4 Mobility in soil** No further relevant information available.
- * **Additional ecological information:**
- * **General notes:**
Do not allow product to reach ground water, bodies of water or sewage system.
Do not allow undiluted or larger quantities of the product to reach ground water, bodies fo water or sewage system.
- * **12.5 Results of PBT and vPvB assessment**
- * **PBT:** Not applicable.
- * **vPvB:** Not applicable.
- * **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- * **13.1 Waste treatment methods**
- * **Recommendation**
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.
- * **European waste catalogue**
08 01 12 waste paint and varnish other than those mentioned in 08 01 11
- * **Uncleaned packaging:**
- * **Recommendation:** Disposal must be made according to official regulations.
- * **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- * **14.1 UN-Number**
- * **ADR, ADN, IMDG, IATA** Void
- * **14.2 UN proper shipping name**
- * **ADR, ADN, IMDG, IATA** Void
- * **14.3 Transport hazard class(es)**
- * **ADR, ADN, IMDG, IATA**
- * **Class** Void
- * **14.4 Packing group**
- * **ADR, IMDG, IATA** Void
- * **14.5 Environmental hazards:**
- * **Marine pollutant:** No
- * **14.6 Special precautions for user** Not applicable.
- * **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- * **Transport/Additional information:** Not a hazardous good according to the above regulations.
- * **UN "Model Regulation":** Void

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* SECTION 15: Regulatory information

* 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

* Directive 2012/18/EU

* **Named dangerous substances - ANNEX I** None of the ingredients is listed.

* National regulations

* Other regulations, limitations and prohibition ordinances

Observe the usual protective measures when working and for storage.

* **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

* Relevant phrases

H226 Flammable liquid and vapour.

* **Department issuing data specification sheet:** Product Safety department / EHS

* 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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3