



## Material Safety Data Sheet according to 91/155/EC

**Product name :** GRATCH GRAFFITI REMOVER  
**Revision :** 05-01-2014 **Version :** 2014.1  
**Print date :** 05-01-2014

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### 01. Identification of substance, preparation and company

**Product name:** GRATCH GRAFFITI REMOVER

**Manufacturer/Supplier:** GRATCH Company  
**Street/P.O.Box:** P.O. Box 7034  
**Country code/Postal code/Town/City:** NL - 5980 AA Panningen  
**Telephone / Telefax:** +31 (0)77-465 10 95 / +31 (0)77-465 10 96  
**Emergency information:** N.V.I.C.: +31 (0)30-274 88 88 (only for medical personel)

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### 02. Composition/information on ingredients

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EC:

#### Hazardous components

2-METHOXY-1-METHYLETHYL ACETATE ; EG-nr. : 203-603-9 ; CAS-No. : 108-65-6

Percentage : 50 - 100 %  
Classification : R 10 Xi ; R 36

ISOTRIDECANOL (2-20 EO) ; CAS-No. : 69011-36-5

Percentage : 2,5 - 10 %  
Classification : Xi ; R 41 Xn ; R 22

ALFA-PINENE ; EG-nr. : 201-291-9 ; CAS-No. : 80-56-8

Percentage : < 2,5 %  
Classification : R10 N ; R 51/53 Xn ; R 56 Xi ; R36/38

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### 03. Hazards identification

#### Hazard designation

Flammable. · Undiluted: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · May cause sensitisation by skin contact. · Irritating to eyes.

Classification : R 10 · N ; R 51/53 · R 43 · Xi ; R 36

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### 04. First-aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to "specifications about toxicology".

#### After inhalation

Move the casualty into fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

#### After skin contact

Immediately remove all contaminated clothing. Wash with soap and water and rinse. Do NOT use solvents or thinners.

#### After eye contact

Remove contact lenses, keep eyelids open. Rinse with plenty of water (10 - 15 min.). Call a physician.

#### After ingestion



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---

If swallowed obtain immediate medical attention. Do not induce vomiting. Rinse mouth with water. Keep patient at rest.

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### 05. Fire-fighting measures

**Suitable extinguishing media**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

**Unsuitable extinguishing media**

Water jet.

**Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged**

Inhalation of burning gases can cause damage to health.

**Special protective equipment**

Appropriate breathing equipment may be required.

**Additional information**

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

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### 06. Accidental release measures

**Personal precautions**

Keep away from ignition sources on account of the organic solvent content and ventilate room. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**

Do not empty into drains or water courses. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

**Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

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### 07. Handling and storage

**Information for safe handling**

Prevent the formation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Do not breathe vapour or spray. Do not smoke, eat or drink in places where this product is used. For personal protection see section 8. Comply with the health and safety at work laws.

**Information about protection against explosions and fires**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. No sparking tools should be used.

**Requirements to be met by storerooms and containers**



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---

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Information about separation of incompatible products

Keep away from oxidizing agents, and from strong alkaline and strong acid materials.

### Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Store between 0 and 40 °C in a dry, well-ventilated area, away from sources of heat and direct sunlight. Avoid contact with sources of ignition.

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## 08. Exposure controls and personal protection

### Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### Components with critical values that require monitoring at the workplace (exposure limits)

2-METHOXY-1-METHYLETHYL ACETATE ; CAS-No. : 108-65-6

Specification : Short term exposure limit ( EC )  
Value : 100 ppm / 550 mg/m<sup>3</sup>  
Remarks : H  
Version date : 08-06-2000

Specification : threshold limit value ( EC )  
Value : 50 ppm / 275 mg/m<sup>3</sup>  
Remarks : H  
Version date : 08-06-2000

Specification : Maximum limit in the atmosphere at the workplace ( NL )  
Parameter : 8 hour value  
Value : 550 mg/m<sup>3</sup> / 100 ppm  
Version date : 01-01-2006

### Personal protective equipment

#### Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Respiratory equipment: Filter A, brown.

#### Hand protection

Use protective gloves of: neoprene or PVA. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred.

#### Eye protection

Use tightly fitting safety glasses.



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### Body protection

All parts of the body should be washed after contact with the product.

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## 09. Physical and chemical properties

### Relevant safety data

<b>Physical state :</b>			liquid
<b>Colour:</b>			Colourless
<b>Odour:</b>			characteristic
<b>Frost free storage:</b>			yes
<b>Melting point / range :</b>	( 1013 hPa )	<	-30 °C
<b>Boiling point / range :</b>	( 1013 hPa )		143 - 178 °C
<b>Flash point :</b>			51 °C
<b>Ignition temperature :</b>			255 °C
<b>Lower explosion limit :</b>			1,5 % b.v.
<b>Upper explosion limit :</b>			7 % b.v.
<b>Vapour pressure :</b>	( 20 °C )		0,39 kPa
<b>Density :</b>	( 20 °C )		0,93 - 0,95 g/cm <sup>3</sup>
<b>Solubility in water :</b>	( 20 °C )		emulsifies
<b>VOC:</b>			max. 878 g/l

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## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

### Materials to avoid

Keep away from oxidizing agents, strong alkaline and strong acid materials in order to avoid exothermic reactions.

### Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

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## 11. Toxicological information

There are no data available on the preparation itself. The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (88/379/EC). Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. If the liquid splashed in the eyes may cause irritation and reversible damage.

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## 12. Ecological information



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---

Do not empty into water courses or drains. No environmental risks of preparations are available. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 2 and 15 for details.

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### 13. Disposal considerations

In accordance with local official regulations treat in a watertreatment or discharge to a waste disposal company.

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### 14. Transport information

#### Land transport ADR/RID

**Classification**  
**Class :** 3 31 c  
**Substance number :** 1993  
**Special provisions :** 640E · LQ 7

**Kemlercode :** 30  
**Margin-Number :** F1

**Proper shipping name**  
FLAMMABLE LIQUID, N.O.S.

**Hazardous components**  
2-METHOXY-1-METHYLETHYL ACETATE

**Packaging**  
**Label :** 3 PG III (C3\_F1\_A)

#### Land transport ADR/RID

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### 15. Regulatory information

**Classification according to EEC directives**

**Danger symbol and danger designation**



Xi ; Irritant

**R-phrases**

10	Flammable
36	Irritating to eyes
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
43	May cause sensitization by skin contact



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### S-phrases

- |       |                                                                                              |
|-------|----------------------------------------------------------------------------------------------|
| 51    | Use only in well-ventilated areas.                                                           |
| 26    | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| 29/35 | Do not empty into drains; dispose of this material and its container in a safe way.          |
| 61    | Avoid release to the environment. Refer to special instructions/Safety data sheets.          |
| 23.1  | Do not breathe vapour or spray.                                                              |
| 37    | Wear suitable gloves                                                                         |

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## 16. Other information

The details in this material safety data sheet satisfy national and EU legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

### Further information

#### Relevant changes

#### R-Phrases of components

- |    |                                |
|----|--------------------------------|
| 22 | Harmful if swallowed           |
| 36 | Irritating to eyes             |
| 41 | Risk of serious damage to eyes |

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

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