



## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### RAIL SAFE GRAFFITI REMOVER

Revision 11

Revision date 2016-03-14

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name RAIL SAFE GRAFFITI REMOVER

##### 1.3. Details of the supplier of the safety data sheet

Company	Smart Graffiti Ireland
Address	Apple View, Trim Road, Kildalkey, Co. Meath, C15 W702, Ireland
Web	www.smartgraffiti.eu
Telephone	+353 (0)86 8111187
Fax	N/A
Email	sales@smartgraffiti.eu

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	T; R61 Xi; R36/37/38-43 N; R51/53 Symbols: T: Toxic. N: Dangerous for the environment.
Main hazards	Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause harm to the unborn child.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
N-Methyl-2-pyrrolidone (1-Methyl-2-pyrrolidone)	606-021-00-7	872-50-4	212-828-1		20 - 30%	Repr. Cat. 2; R61 Xi; R36/37/38
Ethanol	603-002-00-5	64-17-5	200-578-6		10 - 20%	F; R11
Methanol	603-001-00-X	67-56-1	200-659-6		0.5 - 1%	F; R11 T; R23/24/25-39/23/24/25
D-Limonene	601-029-00-7	5989-27-5	227-813-5		10 - 20%	R10 Xi; R38 R43 N; R50/53
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9		1 - 10%	Xn; R20/22
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		1 - 10%	Xn; R20/21/22 Xi; R36/38
Cocamide DEA		8051-30-7	232-483-0		1 - 10%	
95% active blend of anionic/nonionic surfactants					1 - 10%	

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
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## 4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Seek medical attention.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Do not flush into surface water. Advise local authorities if large spills cannot be contained.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Wear suitable protective equipment. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Avoid sources of ignition.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: -
Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: -
Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250	WEL 8-hr limit mg/m3: 266 WEL 15 min limit mg/m3: 333
N-Methyl-2-pyrrolidone (1-Methyl-2-pyrrolidone)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 75	WEL 8-hr limit mg/m3: 103 WEL 15 min limit mg/m3: 309

## 8.2. Exposure controls

	 
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing.

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## 8.2. Exposure controls

Eye / face protection	Safety glasses.
Skin protection - Handprotection	Nitrile rubber gloves.
Respiratory protection	Wear suitable respiratory equipment when necessary.
8.2.3. Environmental exposure controls	No data is available on this product.

## SECTION 9: Physical and chemical properties

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

State	Liquid
Colour	Amber
Odour	Characteristic
Relative density	0.93 - 0.95 (Water = 1 @ 20 °C)
Solubility	Slightly soluble in water

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

	Stable under normal conditions.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	Harmful by inhalation and if swallowed.
Skin corrosion/irritation	May cause irritation to skin.

## SECTION 12: Ecological information

### 12.1. Toxicity

	No data is available on this product.
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## SECTION 13: Disposal considerations

### General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

### ADR/RID

	The product is not classified as dangerous for carriage.
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### IMDG





	The product is not classified as dangerous for carriage.
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### IATA

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

### Labelling

Symbols	<b>Health Hazard</b> 	<b>Flammable</b> 	<b>Corrosive</b> 	<b>Harmful</b> 
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Labelling	
<b>Risk phrases</b>	R36/37/38 - Irritating to eyes, respiratory system and skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 - May cause harm to the unborn child.
<b>Safety phrases</b>	S1/2 - Keep locked up and out of the reach of children. S13 - Keep away from food, drink and animal feedingstuffs. S24/25 - Avoid contact with skin and eyes. S29 - Do not empty into drains. S37/39 - Wear suitable gloves and eye/face protection. S46 - If swallowed, seek medical advice immediately and show this container or label. S53 - Avoid exposure - obtain special instructions before use.
SECTION 16: Other information	
Other information	
<b>Revision</b>	This document differs from the previous version in the following areas: 2 - 2.1. Classification of the substance or mixture. 15 - Labelling. 15 - Risk phrases. 15 - Safety phrases.
<b>Text of risk phrases in Section 3</b>	R10 - Flammable R11 - Highly flammable. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R20/22 - Harmful by inhalation and if swallowed. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R36/37/38 - Irritating to eyes, respiratory system and skin. R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 - May cause harm to the unborn child.
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This version replaces all previous versions.