

### according to 1907/2006/EC, Article 31

Page 1/10

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

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

- · 1.1 Product identifier
- · Trade name: Graffiti Remover
- · Article number:
- $\cdot$  1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Sector of Use

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

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

SU21 Consumer uses: Private households / general public / consumers

- · Product category PC9a Coatings and paints, thinners, paint removers
- · Process category

PROC11 Non industrial spraying

PROC7 Industrial spraying

- · Application of the substance / the mixture Paint remover
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Zettex Europe BV

Plaza 20, 4782 SK Moerdijk

The Netherlands

+31(0)888-938839

info@zettex.nl

www.zettex.nl

• 1.4 Emergency telephone number: Zettex Europe BV 031 (0) 888 938 839 (Mon-Fri 09:00-17:00)

### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



### GHS07

•		
Acute Tox. 4	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

(Contd. of page 1)

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

Version: 7 Revision: 20.03.2018 Printing date: 18.04.2019

Trade name: Graffiti Remover

### · Hazard pictograms







GHS02

GHS07

### · Signal word Danger

### · Hazard-determining components of labelling:

Reaction mass of ethylbenzene and xylene

#### · Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

### · Precautionary statements

If medical advice is needed, have product container or label at hand. P101

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use. P260 Do not breathe mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area. Wear protective gloves / eye protection. P280 P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P403 Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

### · 2.3 Other hazards

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · vPvB: Not applicable.

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

### · 3.2 Mixtures

· Description: Active substance with propellant

· Dangerous components:		
Reg.nr.: 01-2119488216-32	Reaction mass of ethylbenzene and xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37		25-<50%

(Contd. on page 3)

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

		(Contd. of page 2)
CAS: 68439-45-2	Alcoholethoxylaat	1-<2.5%
Polymer	Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 68608-26-4	Sulfonic acids, petroleum, sodium salts	1-<2.5%
EINECS: 271-781-5	Eye Irrit. 2, H319	
Reg.nr.: 01-2119527859-22		
CAS: 999999-99-4	Terpene alcohol and hydrocarbon mixture	≥0.25-<1%
EC number: 310-127-6	Flam. Liq. 3, H226; Aquatic Chronic 1, H410; Acute Tox. 4,	
Reg.nr.: 05-2114676640-45	H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	

\_

· Ingredients according to detergents guidline 648/2004/EC		
aromatic hydrocarbons	≥30%	
aliphatic hydrocarbons	≥15 - <30%	
non-ionic surfactants, perfumes	<5%	

#### · Additional information:

### **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Do not induce vomiting; call for medical help immediately.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

 $\cdot$  4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.

### **SECTION 6: Accidental release measures**

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

(Contd. on page 4)

Version: 7 Revision: 20.03.2018 Printing date: 18.04.2019

Trade name: Graffiti Remover

(Contd. of page 3)

### · 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 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 disposal information.

### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

### · Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility:

Observe official regulations on storing packagings with pressurised containers.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:					
115-10-6	115-10-6 dimethyl ether				
	WEL Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm				
	g-term varue. 700 mg/m², 40	<i>у</i> о ррш			
· DNELs					
Reaction	Reaction mass of ethylbenzene and xylene				
Oral	DNEL Long term-systemic	1.6 mg/kg bw/day (Consumer)			
Dermal	DNEL Long term-systemic	108 mg/kg bw/day (Consumer)			
		180 mg/kg bw/day (Worker)			
Inhalative	DNEL Acute-local	289 mg/m3 (Worker)			
	DNEL Long term-systemic	14.8 mg/m3 (Consumer)			
		77 mg/m3 (Worker)			
· DNFCs					

# · PNECs

Reaction mass of ethylbenzene and xylene		
PNEC Freshwater	0.327 mg/l (Undefind)	
PNEC Marine water	0.327 mg/l (Undefind)	
D. T. C. T.	and a second a second and a second a second and a second	

PNEC Freshwater sediment 12.46 mg/l(dry weight) (Undefind)

(Contd. on page 5)

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

PNEC Soil 2.31 (Undefind)

PNEC Sewage Treatment Plant 6.58 mg/l (Undefind)

PNEC Marine water sediment 12.46 mg/l(dry weight) (Undefind)

· Additional information: The lists valid during the making were used as basis.

### · 8.2 Exposure controls

- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

### · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter AX/P2

Filter A/P2

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A2P2

#### · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Wear gloves for the protection against chemicals according to EN 374



Protective gloves

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

### · Material of gloves

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.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.5 \text{ mm}$ 

### · Penetration time of glove material

For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

### · Eye protection:

Safety glasses



Tightly sealed goggles

(Contd. on page 6)

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

· **Body protection:** Use protective suit. (EN-13034/6)

(Contd. of page 5)

## **SECTION 9: Physical and chemical properties**

. 0 1 Information or	basis	mbresi sal	~~	ah ami aal	
· 9.1 Information on	Dasic	pnysicai	ana	chemical	properties

· General Information

· Appearance:

· pH-value:

Form: Aerosol

**Colour:** According to product specification

· Odour: Characteristic
· Odour threshold: Not determined.

· Change in condition

**Melting point/freezing point:** Undetermined. **Initial boiling point and boiling range:** -24.9 °C

· Flash point: -42 °C

· Flammability (solid, gas): Not applicable.

· Auto-ignition temperature: Product is not selfigniting.

• Explosive properties: Product is not explosive. However, formation of explosive air/

Not determined.

vapour mixtures are possible. Not determined.

· Explosion limits:

**Lower:** 1.1 Vol % **Upper:** 18.6 Vol %

· Vapour pressure at 20 °C: 5200 hPa

Density at 20 °C: 0.842 g/cm³
 Relative density Not determined.
 Vapour density Not determined.
 Evaporation rate Not applicable.

· Solubility in / Miscibility with

water: Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

**Dynamic:** Not determined. **Kinematic:** Not determined.

· Solvent content:

 Organic solvents:
 68.7 %

 Water:
 25.0 %

 Solids content:
 0.2 %

• **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 used 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.

(Contd. on page 7)

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

(Contd. of page 6)

• 10.6 Hazardous decomposition products: No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity

Harmful if inhaled.

· LD/LC	· LD/LC50 values relevant for classification:				
Reactio	Reaction mass of ethylbenzene and xylene				
Oral	LD50	4300 mg/kg (rat)			
Dermal	LD50	2000 mg/kg (rbt)			
68439-4	68439-45-2 Alcoholethoxylaat				
Oral	LD50	>300-2000 mg/kg (rat)			
Dermal	LD50	>2000 mg/kg (rat)			
68608-2	68608-26-4 Sulfonic acids, petroleum, sodium salts				
Oral	LD50	>6000 mg/kg (rat)			

- Primary irritant effect:
- · Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eye irritation.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, 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.
- $\cdot \, STOT\text{-single exposure}$

May cause respiratory irritation.

· STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

· Aspiration hazard

May be fatal if swallowed and enters airways.

### **SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxici	· Aquatic toxicity:			
Reaction mass	Reaction mass of ethylbenzene and xylene			
NOEC	1.3 mg/l (Fish)			
NOEC (7 day)	0.96 mg/l (Daphnia magna)			
NOEC (72h)	0.44 mg/l (algae)			
NOEC (28 d)	16 mg/l (Bacteria)			
LC50/96h	8.9-16.4 mg/l (Pimephales promelas)			
EC50/48h	3.2-9.5 mg/l (Daphnia magna)			
68439-45-2 Al	68439-45-2 Alcoholethoxylaat			
LC50	10-100 mg/l (algae)			
	>100 mg/l (Bacteria)			
	10-100 mg/l (Fish)			
• 12.2 Parsistance and degradability 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.

(Contd. on page 8)

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

(Contd. of page 7)

- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- · 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number		
ADR, ADN, IMDG, IATA	UN1950	
14.2 UN proper shipping name		
ADR, ADN	UN1950 AEROSOLS	
IMDG	AEROSOLS	
IATA	AEROSOLS, flammable	
14.3 Transport hazard class(es)		
ADR		
Class	2 5F Gases.	
Label	2.1	
ADN		
ADN/R Class:	2 5F	
IMDG, IATA		
Class	2.1	
Label	2.1	
14.4 Packing group		
ADR, IMDG, IATA	Void	
14.5 Environmental hazards:		
Marine pollutant:	No	
14.6 Special precautions for user	Warning: Gases.	

-GB

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

	(Contd. of page
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity of 1
	litre: Category A. For AEROSOLS with a capacity above
	1 litre: Category B. For WASTE AEROSOLS: Category
	C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1
	litre: Segregation as for class 9. Stow "separated from"
	class 1 except for division 1.4. For AEROSOLS with a
	capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS:
	Succession of Class 2.1 of ((1812 1E11000E)
	Segregation as for the appropriate subdivision of class 2.
14.7 Transport in bulk according to Ann	
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
· Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
· IMDG	
	1L
· Limited quantities (LQ)	
· Limited quantities (LQ) · Excepted quantities (EQ)	Code: E0
	Code: E0 Not permitted as Excepted Quantity

## **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.
- · Seveso category P3a FLAMMABLE AEROSOLS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations:

Class	Share in %
Wasser	25-<50 50 <75

- · VOC-CH 68.72 %
- · VOC-EU 578.6 g/l
- · Danish MAL Code 5-3
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H220 Extremely flammable gas.

(Contd. on page 10)

Printing date: 18.04.2019 Version: 7 Revision: 20.03.2018

Trade name: Graffiti Remover

(Contd. of page 9)

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

### · Department issuing SDS: Research & Development

· Contact:

### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases - Category 1

Aerosol 1: Aerosols - Category 1

Press. Gas (Comp.): Gases under pressure - Compressed gas

Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3