



# SAFETY DATA SHEET

(Conform Reach)

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Date of creation : 01/12/2005

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**GUARD INDUSTRY**

## GRAFFIGUARD® 2010



C-Corrosive

### 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

**Type of product** : Cleaner for graffiti Ghost-Marks and Halo effects  
**Use** : See product data-sheet for detailed information.  
**Company identification** :  
Manufactured: **GUARD INDUSTRIE** UK & Ireland: **GUARD INDUSTRY (UK) LTD**  
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### 2 HAZARDS IDENTIFICATION

**Risk phrases**  
**Primary route of exposure** : Contact with eyes and skin. Corrosive product, provoke serious burns.  
**- Inhalation** : Harmful by inhalation. Some vapours can provoke an irritation of the respiratory system.  
**- Skin contact** : Serious lesions if the skin is not immediately rinsed with water during an extended time (15 minutes), since the projections.  
**- Eye contact** : Serious ocular lesions.  
**- Ingestion** : Harmful in case of ingestion.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name of substance	Volume	CASE N°	CE N°	Index N°	Classification
Potassium Hydroxide	10%<c<20%	1310-58-3	215-181-3	019-002-00-8	C: R22, R35
2- (ethoxyethoxy) ethanol	40%<c<60%	111-90-0	203-919-7		Xi: R36
2- (2- Butoxyethoxy) ethanol	10%<c<20%	112-34-5	203-961-6	603-096-00-8	Xi: R36
2- Amino - ethanol	1%<c<5%	141-43-5	205-483-3	603-030-00-8	C: R20/21/22, R34
Disodiummetasilicate	1%<c<5%	6834-92-0	229-912-9	014-010-00-8	C: R34,R37

### 4 FIRST AID MEASURES

**First aid measures**  
**- Inhalation** : Bring immediately the victim to fresh air. Consult a doctor if necessary.  
**- Skin contact** : Wash immediately with cold water for 15minutes. Consult a doctor  
**- Eye contact** : Rinse with copious amounts of cold water (15minutes with open Eyelids) then wash with an eye lotion- typically dacryosérum. Consult imperatively an ophthalmologist  
**- Ingestion** : Do not induce vomiting. Rinse mouth with cold water then drink a lot of water. Seek immediate medical attention. Main hazards: stomach perforation (main symptoms: sickness and headache).

### 5 FIRE – FIGHTING MEASURES

**Flammable class** : Non- flammable.  
**Specific hazards** : In case of fire, oxides of nitrogen & carbon monoxides can be formed.  
**Extinguishing media** : All extinction agents are suitable.  
**Protection against fire** : Suitable respiratory systems.  
**Special procedures** : Fire can produce a heavy black smoke. Consequently to the thermal decomposition, dangerous substances can be formed: carbon monoxides, carbon dioxide. The exposure to these substances can be dangerous for health.

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Supply adequate protection to cleaning teams. Keep away from any source of firing. Do not smoke.  
**Clean up methods** : Sweep or collect spilt product and put it in a suitable vessel for removal and subsequent disposal.  
**Precautions for the environment** : Prevent contamination with either ground, water, sewers, ditches and rivers by using sand or ground.



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### 7 HANDLING AND STORAGE

**Handling:**

**Precaution**

: Do not eat, drink or smoke in places where we use the product. Avoid skin and eyes contact. Shower, ocular bath and watering place close by.

**Technical measures**

: Do not use compressed air to fill a bole or to carry out. Wear security glasses well closed.

**Advice when using product**

: Open the packs carefully to avoid any splashing. Do not neutralize empty packs without cleaning or appropriate recycling.

**Stocking:**

**Precautions**

: Always keep the product in a pack with the same nature as the original one. Keep out of the reach of children.

**Conditions for storage**

: Keep if possible in a dry, well ventilated place and away from incompatible products.

**Incompatible material**

: Acids, oxidizer. Dissolves slowly aluminium and zinc with hydrogen formation. Material type to use for the pack: metal.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Individual protection**

**Respiratory protection**

: No need for any respiratory protection equipment under normal conditions of use but do ensure adequate ventilation. In case of dust formation or aerosol, use a breathing equipment with a P2 filter.

**Hand protection**

: Wear gloves resistant to chemical products (neoprene, PVC)

**Skin protection**

: Wear suitable protective clothes resistant to chemical products. Make sure to have shower and eye fountain close to work place.

**Eye protection**

: Glasses with side protectors.

**Industrial hygiene**

: Local extraction and general ventilation have to be sufficient to insure the conformity of exposure norms. Emergency eyes cleaners have to be installed close to any place where there is a risk of exposure.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical appearance**

: Liquid

**Colour**

: Clear brown

**Odour**

: Alkaline

**pH value**

: 14 +/- 0.5

**Boiling point [°C]**

: Not applicable

**Final boiling point [°C]**

: Not applicable

**Critical temperature [DC]**

: Not applicable

**Density**

: 1, 32

**Solubility in water**

: Totally

**Flash point [°C]**

: Not applicable

**Log P octanol water at 20°C**

: None

### 10 STABILITY AND REACTIVITY

**Stability and reactivity**

: Conditions to be avoided: humidity and water

**Dangerous products from decomposition**

: No decomposition in normal use

**Materials to avoid**

: Aluminium, zinc, tin, lead, copper, strong acids. Emits hydrogen.

### 11 TOXICOLOGICAL INFORMATION

**In case of ingestion**

: Data not available.

**In case of skin contact**

: Serious ocular lesions and skin burns.

**In case of inhalation**

: Data not available.

### 12 ECOLOGICAL INFORMATION

**Biodegradation [%]**

: Tensio active agents are biodegradable to more than 93,4%. Pollutes faintly water. Does not present bioaccumulation.



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### 13 DISPOSAL CONSIDERATIONS

**Method of elimination** : Recommendation: R1 (91/156), waste class N° 06 02 99. Redeem or burn in an approved incinerator.

### 14 TRANSPORT INFORMATION

	ADR/RID Road/Railway	I.M.D.G Seaborne	OACI Air
<b>N° ONU,UN/ID</b>	1814	1814	1814
<b>Official designation</b>	Potassium hydroxide in solution	Potassium hydroxide in solution	Potassium hydroxide in solution
Class	8	8	8
Packing group	II	II	II
Label	8	8	CORROSIVE
Hazard code number	80		

ADR : limited quantity LQ 22 pour exemption Pack : 1L maximum

**Parcel : 4L maximum**

<b>IM DG</b>	Limited quantities :	<b>500ml</b>
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IATA	Packing instructions	Maximal quantity by parcel :
<b>Plane passenger and freighter:</b>	Limited quantity : Y809	0,5L
	808	1L
<b>Plane freighter :</b>	813	30

### 15 REGULATORY INFORMATION

**Symboles** : C: corrosive. Contains 10-20% potassium hydroxide, caustic potassium  
**R Phrases** : R35: Provoke serious burns  
**S Phrases** : S1/2: Keep in locked storage and out of children's reach  
 : S26: in case of eye contact, immediately wash with copious amounts of cold water. Consult a specialist  
 : S36/37/39: Wear adequate protection clothes, gloves and eyes/face protection.  
 : S45: in the event of an accident or of illness, immediately consult a doctor (if possible show him the label).  
 Article L 461-6 of the social security code and decree of August 3<sup>rd</sup> of 1963 (OJ of August 23<sup>rd</sup> of 1963): medical declaration of the contagions because this product contains potassium hydroxide.

### 16 OTHER INFORMATION

**Other data** : None.

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