

MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 6/8/2007

Supersedes : 0/0/0

DEMOCLEAN GRAFFITI SHADOW REMOVER

GT2D

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

Company identification : Demon International
Abbotts Close
Lee Mill Industrial Estate, Ivybridge,
Devon PL21 9AG United Kingdom
TEL. 01-752-690-690
FAX 01-752-690-919

Product code : GT2D

Trade name : DEMOCLEAN GRAFFITI SHADOW REMOVER.

Use : Industrial.

2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS no	EC no	EC index	Classification
Potassium hydroxide	: 10 to 30 %	1310-58-3	215-181-3	019-002-00-8	Xn; R22 C; R35
2-aminoethanol	: 1 to 5 %	141-43-5	205-483-3	603-030-00-8	Xn; R20/21/22 C; R34
<i>Rat oral LD50 [mg/kg] : > 1090</i> <i>Rabbit dermal LD50 [mg/kg] : 1000</i>					
N-methyl-2-pyrrolidone	: 10 to 30 %	872-50-4	212-828-1	606-021-00-7	Xi; R36/38

3 HAZARDS IDENTIFICATION

Main hazards : Corrosive Causes severe burns.

4 FIRST AID MEASURES

- **Inhalation** : Remove victim to fresh air. Obtain medical attention if breathing difficulty persists.

- **Skin contact** : For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / water. Obtain medical attention.

- **Eye contact** : In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Seek medical attention immediately.

- **Ingestion** : If swallowed, rinse mouth with water (only if the person is conscious). Give water to drink. Seek medical attention immediately.

5 FIRE-FIGHTING MEASURES

Flammable class : Not flammable.

Extinguishing media : Use extinguishing media appropriate for surrounding fire.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Special exposure hazards : When heated to decomposition, emits dangerous fumes. Carbon monoxide. Carbon dioxide. Sulphur oxides. Dimethyl sulphide.

Protection against fire : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Equip cleanup crew with proper protection.

Environmental precautions : Prevent entry to sewers and public waters.

After spillage and/or leakage : Clean up any spills as soon as possible, using an absorbent material to collect it. Use non-corrodable disposal containers.

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6 ACCIDENTAL RELEASE MEASURES (continued)

Flush with plenty of water.

7 HANDLING AND STORAGE

- Precautions in handling and storage** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Handle in accordance with good industrial hygiene and safety procedures.
- Storage** : Keep only in the original container in a cool, well ventilated place.
Keep container closed when not in use.
- Handling** : Wear suitable protective clothing.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Respiratory protection** : Local exhaust and general ventilation must be adequate to meet exposure standards. In case of insufficient ventilation, wear suitable respiratory equipment.
 - **Hand protection** : Use neoprene or rubber gloves.
 - **Skin protection** : Total impervious protective suits, gloves, and boots must be worn.
 - **Eye protection** : Chemical goggles or face shield with safety glasses.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Occupational Exposure Limits** : N-methyl-2-pyrrolidone : TLV-TWA [mg/m³] : 100
N-methyl-2-pyrrolidone : TLV-TWA [ppm] : 400
Potassium hydroxide : WEL (15 min) mg/m³ : 2
2-aminoethanol : WEL (15 min) mg/m³ : 15
2-aminoethanol : WEL (15 min) ppm : 6
2-aminoethanol : WEL (8HR) mg/m³ : 7.6
2-aminoethanol : WEL (8HR) ppm : 3

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Liquid.
- Colour** : Colourless to light yellow.
- pH value (concentrated product)** : 13 to 14
- Density [kg/m³]** : 1178 to 1198

10 STABILITY AND REACTIVITY

- Hazardous decomposition products** : When heated to decomposition, emits dangerous fumes.
Carbon monoxide. Carbon dioxide. Sulphur oxides. Dimethyl sulphide.
- Hazardous properties** : Attacks metals
- Materials to avoid** : Acids. Aluminium (Al). Tin (Sn). Zinc (Zn).

11 TOXICOLOGICAL INFORMATION

- **Inhalation** : May cause irritation to the respiratory tract and to other mucous membranes.
- **Dermal** : Causes severe burns.
- **Ocular** : Causes severe burns.
May cause destruction of eye tissue.
- **Ingestion** : Corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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12 ECOLOGICAL INFORMATION

LC50-96 Hour - fish [mg/l] : 39 to 56 (Potassium Hydroxide)
 Persistence and degradability : Product is biodegradable.

13 DISPOSAL CONSIDERATIONS

Disposal : Dispose of this material and its container at hazardous or special waste collection point.

14 TRANSPORT INFORMATION

- UN No. : 1760
 - H.I. nr : 80
 ADR/RID
 - Proper shipping name : CORROSIVE LIQUID, N.O.S. (Potassium hydroxide, 2-aminoethanol)
 - ADR Class : 8
 - ADR Packing group : II
 Hazard Label(s)



: Label 8 : Corrosive substance.

15 REGULATORY INFORMATION

Symbol(s)



: Corrosive

R Phrase(s)

: R35 - Causes severe burns.

S Phrase(s)

: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 - After contact with skin, wash immediately with plenty of water
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

16 OTHER INFORMATION

Further information : Specifications and technical information on the product may be obtained by your dealer.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

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