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| MATERIAL SAFETY DATA SHEET | | Revision nr: |
| | | Date: 08/06/2006 |
| | | Supersedes: 24/05/2001 |
| Graffi Ghost Poultice | | 3273 |
| | | |

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

Company identification: tensid uk ltd
Aquila House, 70a Wheatash Rd
Addlestone
Surrey KT15 2ES United Kingdom
Tel: 01932 564133

Product code: 3273
Trade name: Graffi Ghost Poultice
Use: graffiti removal

2 COMPOSITION/INFORMATION ON INGREDIENTS

| | | | | | |
|-------------------------------|----------------|----------|------------------|---------------|------------------|
| Substance/Preparation: | Substance | | | | |
| Chemical Name* | CAS No. | % | EC Number | Symbol | R-Phrases |
| 1) Sodium Hypochlorite | 7681-52-9 | 10-15 | 231-668-3 | C | R31, R34, R50 |
| 2) Sodium Hydroxide | 1310-73-2 | 0-5 | 215-185-5 | C | R35 |

• **Occupational Exposure Limit(s), are listed in Section 8**

Composition
Contains Sodium Hypochlorite at specified mass concentration.
Industrial grade may be coloured by addition of trace quantities of Potassium permanganate.
May also contain stabilisers such as sodium chlorate or sodium Hexametaphosphate, depending on grade.

Cas No. 7681-52-9
EINECS Number 231-668-3

3 HAZARDS IDENTIFICATION

Human health hazards: Causes burns. Contact with acids liberates toxic gas.

4 FIRST AID MEASURES

Inhalation: Remove from exposure. Keep warm and at rest. If there is difficulty in breathing, give oxygen. Do not use mouth to mouth ventilation. Obtain medical attention urgently.

Ingestion: Wash out mouth with water. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention. Do not induce vomiting.

Skin contact: Immediately flood the skin with large quantities of water, preferably under a shower. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.

Eye contact: Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention urgently.

Effects and symptoms:

Inhalation: Exposure to vapour at high concentrations may have the following effects:-
Bronchitis, pulmonary oedema.

Ingestion: Swallowing may have the following effects:-nausea, diarrhoea, drowsiness, loss of consciousness, haematemesis, perforation of the oesophagus, gastric perforation.

Skin Contact: Corrosive to skin on contact. Skin contact may produce burns.

Eye Contact: Corrosive to eyes.

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Aggravating Repeated or prolonged contact with spray mist may produce chronic eye irritation and **Conditions:** severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

Notes to physician: Lung oedema system may usually develop several hours after exposure and is aggravated by physical exertion. Rest and hospitalisation is essential. As first aid, a doctor should consider administering a corticosteroid spray.

5 FIRE FIGHTING MEASURES

Extinguishing Media Suitable Select extinguishing agent appropriate to other materials involved. Use water spray. Keep containers and surroundings cool with water spray.

Unusual fire/ Explosion hazards This product may give rise to hazardous fumes in a fire. Can be violent and explosively reactive when in contact with ammonia and oxidizing agents – see stability and reactivity. Hazardous Combustion Products: CHLORINE OXYGEN

Hazardous thermal (de)composition products. Reacts with acids generating: Chlorine Gas.

Special fire-fighting Procedures: Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-Fighters: Wear full protective clothing and self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Ventilate the area to dispel toxic decomposition fumes – Wear appropriate protective clothing. Eliminate all sources of ignition. Wear respiratory protection.

Environmental Precautions and Clean-up methods: Small spillages may be flushed with large quantities of water. Large spillages should be collected for disposal. Contain and absorb using earth, sand or other inert material. Advise Authorities if spillage has entered water course or contaminated soil or vegetation.

7 HANDLING AND STORAGE

Handling: Use in well ventilated area. Emergency shower and eye wash facilities should be readily available. Avoid contact with eyes, skin and clothing. Avoid inhaling vapour.

Storage: Storage area should be: cool, dry, well ventilated and out of direct sunlight. Storage tanks should be completely enclosed apart from vent and overflow connections. Store in externally reinforced pvc, high density polyethylene or carbon steel lined with a suitable grade of rubber. Do not store in: metal drums.

Packaging Materials Recommended use: Use original container.

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures: Provide exhaust ventilation or other engineering controls to keep the airborne Concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene Measures: Wash hands after handling compounds and before eating, smoking, using Lavatory, and at the end of day.

Workplace Exposure Limits: Not available.

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Personal protective equipment

Respiratory system: Respiratory protection if there is a risk of exposure to high vapour concentrations.
Skin and Body: Wear, hood and visor, rubber boots. If there is danger of splashing, wear pvc or other impermeable suit.
Hands: PVC or rubber gloves.
Eyes: Chemical goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Colour: Yellow – Green
Odour: Characteristic. Bleach
Boiling point: 107 apx
Melting point: -25 approx.
Density: Not available
Vapour density: Heavier than air.
Solubility: Completely soluble
pH: >pH12
Flash point: Not available
Viscosity: 3.45 cP AT 20° (15% sol)

10 STABILITY AND REACTIVITY

Stability: Sodium hypochlorite solutions decompose slowly on standing, with the production of sodium chlorate and sodium chloride and the evolution of oxygen. This process is accelerated by heat and exposure to light as well as contamination by certain metals.
Conditions to Avoid: Exposure to light. High Temperatures. Temperatures less than -5C.
Materials to avoid: Organic materials. Acids. Amines. Peroxides. Alcohols. Aldehydes. Unsaturated Oils. Oxidising agents. Ammonia. Ammonium salts. Iron. Cooper. Nickel. Brass. Steel.
Hazardous decomposition Reacts with acids generating: **Chlorine Gas**

11 TOXOLOGICAL INFORMATION

Local effects:
Skin irritation: Hazardous in case of skin contact (corrosive)
Eye irritation: Hazardous in case of eye contact (irritant)
Acute toxicity: Oral LD (rat) 5000mg/kg/ (12.5%)
Chronic toxicity: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

12 ECOLOGICAL INFORMATION

Ecotoxicity: The product is rated as slightly toxic to aquatic species. Tests on the following species gave a 24 h. CHLORINE LC100 of 1mg/litre: fish
 Incidents of damage to crops are few and have been associated with accidental releases.

13 DISPOSAL CONSIDERATIONS

Methods of disposal: Dispose of in accordance with all applicable local and national regulations.
Waste of residues:

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Contaminated packaging:
Waste Classification: Not applicable.

14 TRANSPORT INFORMATION

International transport regulations:

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|-----|----------------------|-----------------------|
| UN: | UN number | 1791 |
| UN: | Proper shipping name | Hypochlorite solution |
| UN: | Class | 8 |
| UN: | Packing group | III |
| UN: | Label | |

| | | |
|----------|------------------------------|-----|
| ADR/RID: | Class | 8 |
| ADR/RID: | Hazard identification number | 80 |
| IMDG: | Packing group | III |
| IMDG: | Class | 8 |
| IATA: | Packing group | III |
| IATA: | Class | 8 |



15 REGULATORY INFORMATION

EU Regulations:

Hazard symbol(s)

Classification:

Risk Phrases:

Safety Phrases:

Corrosive
R31 Contact with acids liberates toxic gas: R34 Causes burns:
S1/2 – Keep locked up and out of the reach of children.
S28 – After contact with skin, wash immediately with plenty y of water.
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S – Do not mix with acids.

Contains:

Product Use:

- SODIUM HYPOCHLORITE 10%-15% (ALL GRADES)
Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- consumer applications.



16 OTHER INFORMATION

Date of printing: 08.06.2006
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The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC

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