

SAFETY DATA SHEET

Graff-Off Gel

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

1.1 Product Identifier

PRODUCT NAME Graff Off Gel

1.2. Relevant Identified uses

IDENTIFIED USES A specialist graffiti removal gel

1.3. Details of the supplier of the Safety data sheet

SUPPLIER Nordic Products and Services Ltd
Church Road,
Stockton-On-Tees,
TS18 2HN

1.4. Telephone Number

Tel +44 (0)1642 678015 (Office hours only)

2 COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS- No.	Content	Classification
2-BUTOXYETHANOL	203-905-0	111-76-2	1-5%	Xn;R20/21/22 Xi; R36/38
BENZYL ALCOHOL	202-859-9	100-51-6	10-30%	Xn;R20/22
DIETHYLENE GLYCOL MONOETHYLETHER	203-919-7	111-90-0	5-10%	Xi;R36.
PROPYLENE CARBONATE	203-572-1	108-32-7	5-10%	Xi;R36

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

A blend of solvents.

3 HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008 [CL/GHS]

Serious eye damage/eye irritation – Category 2

See section 11 for more detailed information on health effects and symptoms.

3.2 Label elements

Hazard Pictograms



Signal Word : Warning

Hazard Statements : H319 – Causes serious eye irritation.

Precautionary Statements : P280 – Wear protective gloves and eye or face protection.

P305 + P351 – IF IN EYES: Rinse cautiously with water for several minutes

P338 – Remove contact lenses, if present and easy to do. Continue rinsing

Supplement label elements : Not applicable.

Hazardous Ingredients : Benzyl Alcohol
Propylene Carbonate
2-butoxyethanol

Annex XVII – Restrictions : Not applicable

**On the manufacture, placing
On the market and use of
Certain dangerous substances,
Mixtures and articles**

2.3 Other Hazards

PBT :P: Not available. B: Not available. T: Not available

vPvB :vP: Not available. vB: Not available

4 FIRST-AID MEASURES

INHALATION

Remove to fresh air. Keep person warm and at rest, if the person isn't breathing provide artificial respiration or oxygen by trained personnel.

INGESTION

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild Detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms Occur after washing.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media:

Recommended: alcohol-resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media:

Do not use water jet as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke.

Exposure to decomposition products may cause a health hazard.

5.3 Advice for fire-fighters

Special firefighting Procedures

Appropriate breathing apparatus may be required.

Cool closed containers exposed to fire with water spray.

Keep run-off water out of sewers and other water sources.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials.

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Maintain good standards of hygiene and work practices. Wear full protective clothing for prolonged exposure and/or high concentrations.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm (Sk)	

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

No specific hand protective noted, but gloves may still be advisable.

EYE PROTECTION

Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Gel
COLOUR	Colorless
ODOUR	Mild
SOLUBILITY	Immiscible with water
BOILING POINT (°C)	>100 @ 760 mm Hg
FLASH POINT (°C)	>62 CC (Closed Cup)
RELATIVE DENSITY	1.11 g/ml @ 20°C
VAPOUR PRESSURE	0.01 kPa @ 20°C

10 STABILITY AND REACTIVITY

10.1 Reactivity

Not available

10.2 Chemical Stability

Stable under recommended storage and handling conditions (see section 7)

10.3 Possibly of Hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

When exposed to high temperatures may product hazardous decomposition products.

10.5 Incompatible Materials

Keep away from the following materials to prevent strong exothermic reactions:

Oxidizing agents, strong alkalis, strong acids

10.6 Hazardous Decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

Information of Toxicological affects

There is no data available on the mixture itself. The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. See sections 3 and 3 for details

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver, and central nervous system. Solvents may cause some of the below effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

Symptoms

Headaches, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Substances / Mixtures

Acute Toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
Benzyl Alcohol	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1230 mg/kg	-
Propylene Carbonate	LD50 ORAL	Rat	>5000 mg/kg	-

12 ECOLOGICAL INFORMATION

Product/Ingredient Name	Result	Species	Exposure
Benzyl Alcohol	Acute LC50 15000 µg/l Marine Water	Fish – Mendia beryllina	96 Hours
2-butoxyethanol	Acute EC50 >1000 mg/l fresh water	Daphnia –Daphnia magna	48 Hours
	Acute LC50 800000 µg/l Marine water	Crustaceans – Crangon crangon	48 Hours
	Acute LC50 1250000 µg/l Marine water	Fish – Menidia Beryllina	96 Hours

12.2 Persistence/degradability

Not available

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

PBT P: Not available. B: Not available T: Not available

vPvB vP: Not available. vB: Not available

12.6 Other adverse effects

AOX The product does not contain organically bound halogens which could lead to an AOX value in waste water.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not allow to enter trains or watercourses

Dispose of according to all federal, state and local applicable and regulations

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

Regulation 2000/532/EC - Chapter Heading: Waste from MFSU of fine chemicals and chemical products not otherwise specified - 070704. Description: Other organic solvents, washing liquids and mother liquors.

14 TRANSPORT INFORMATION

General:

Not classified as dangerous goods for transport regulations.

Transport within user's premises:

Always transport in closed containers that are upright and secure, ensure that the person who is transporting the product knows what to do in the event of an accident or spillage.

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

SAFETY PHRASES

P13 Safety data sheet available for professional user on request

EU DIRECTIVES

Dangerous Substances Directive (67/548/EEC).

Dangerous Preparations Directive. (1999/45/EEG).

Safety Data Sheets Directive (91/155/EEC) (As amended).

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION**ISSUED BY**

Nordic Pioneer Limited

SDS NO. 1

DATE 25/04/08

RISK PHRASES IN FULL

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R20/22 Harmful by inhalation and if swallowed

R36 Irritating to eyes

R36/38 Irritating to eyes and skin

DISCLAIMER

The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process. Nothing herein is to be construed as warranty, expressed or implied. It is always the responsibility of the user to take the necessary steps in order to fulfil the demands laid down in the rules and legislation.
The product is for Industrial use only.