



SAFETY DATA SHEET

Graffitishield™ Nano-Prep

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- Product name and/or code** : Graffitishield™ Nano-Prep
Rust-Oleum Netherlands BV, PO. Box 138, NL-4700 AC Roosendaal, The Netherlands
NV Martin Mathys, Kolenbergstraat 23, B-3545 Zelem, Belgium
- Emergency phone number** : Rust-Oleum: +31(0)165-593636; Fax +31(0)165-593600
Martin Mathys: +32(0)13-460200; Fax +32(0)13-460201
- e-Mail address of person responsible for this SDS** : rpmeurohas@ro-m.com
- Product use** : Cleaning solutions.

2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

- Classification** : R10
Xi; R36
R67
- Physical/chemical hazards** : Flammable.
- Human health hazards** : Irritating to eyes. Vapors may cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name	CAS #	%	EU no.	Classification
propan-2-ol	67-63-0	10 - 25	200-661-7	F; R11 Xi; R36 R67
See Section 16 for the full text of the R-phrases declared above.				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

First aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders, water spray.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8. Spillages may evaporate rapidly.
- Spill** : Let evaporate.

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

7. HANDLING AND STORAGE

- Handling** : Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid contact with skin and eyes. Avoid breathing vapors of this product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Do not store above the following temperature: 30°C (86°F). Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. Keep away from: oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

Ingredient name

propan-2-ol

Occupational exposure limits

EH40/2005 WELs (United Kingdom (UK), 8/2007).

STEL: 1250 mg/m³ 15 minute(s).

STEL: 500 ppm 15 minute(s).

TWA: 999 mg/m³ 8 hour(s).

TWA: 400 ppm 8 hour(s).

Exposure controls/personal protection

- Occupational exposure controls** : Use only with adequate ventilation. Engineering controls may be required to control the primary or secondary risks associated with this product.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use. In case of insufficient ventilation, wear suitable respiratory equipment: organic vapor filter (Type AX) .
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hours (breakthrough time): Viton®
Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: safety glasses with side-shields
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: overall
- Environmental exposure controls** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid. [Fluid.]
- Odor** : Alcohol-like.
- Color** : Colorless.
- Flash point** : Closed cup: 24°C (75.2°F) [Setaflash / Tag (ASTM D56)]
- Boiling point** : 85 to 100°C (185 to 212°F)

9. PHYSICAL AND CHEMICAL PROPERTIES

Explosion limits	: Lower: 2% Upper: 12%
Vapor pressure	: <4 kPa (<30 mm Hg)
Vapor density	: 2 [Air = 1]
Evaporation rate (BuAc=1)	: 1.4 (butyl acetate = 1)
Volatility %	: 100% (v/v), 100% (w/w)
Relative density (kg/L)	: 0.96

10. STABILITY AND REACTIVITY

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

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapor 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. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation 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.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
propan-2-ol	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	TDLo Intraperitoneal	Rat	800 mg/kg	-
	LC50 Inhalation Vapor	Rat	30 mg/L	4 hours
	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	LC50 Inhalation Gas.	Rat	16000 ppm	8 hours

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Aquatic ecotoxicity

Ingredient name	Result	Species	Exposure
propan-2-ol	Acute LC50 11130000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 4 to 8 weeks - 1.1 to 3.1 cm	96 hours
	Acute LC50 4200000 ug/L Fresh water	Fish - Harlequinfish, red rasbora - Rasbora heteromorpha - 1 to 3 cm	96 hours
	Acute LC50 >1400000 ug/L	Fish - Bluegill - Lepomis macrochirus - 40 to 50 mm	96 hours

Ecological information**Biodegradability**

Conclusion/Remark : Not available.

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
propan-2-ol	-	-	Readily

Bioaccumulative potential

Ingredient name	LogP _{ow}	BCF	Potential
propan-2-ol	0.1	-	low

13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.


European waste catalogue (EWC) : The European Waste Catalogue classification of this product, when disposed of as waste, is: detergents containing dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Hazardous waste : Yes.

14. TRANSPORT INFORMATION

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	1993LQ	FLAMMABLE LIQUIDS, N.O.S. Limited quantity (propan-2-ol, mixture)	3	III		Limited quantity: LQ7 Remarks: (≤ 5L:) Limited Quantity - ADR/IMDG 3.4 ADR Tunnel Restriction Code: (D/E)
IMDG Class	1993	FLAMMABLE LIQUIDS, N.O.S. Limited quantity (propan-2-ol, mixture)	3	III		Emergency schedules (EmS) F-E, S-E Remarks Limited Quantity - ADR/IMDG 3.4
IATA Class	1993	FLAMMABLE LIQUIDS, N.O.S. (propan-2-ol, mixture)	3	III		-

PG* : Packing group

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15. REGULATORY INFORMATION**EU regulations**

: The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol or symbols

:



Irritant

Risk phrases

:

R10- Flammable.
R36- Irritating to eyes.
R67- Vapors may cause drowsiness and dizziness.

Safety phrases

:

S25- Avoid contact with eyes.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S43- In case of fire, use water spray (fog), foam, dry chemical or CO₂.
S51- Use only in well-ventilated areas.

Europe inventory

:

All components are listed or exempted.

Other EU regulations**CN code**

:

3814 00 90

Industrial use

:

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. OTHER INFORMATION**Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)**

:

R11- Highly flammable.
R10- Flammable.
R36- Irritating to eyes.
R67- Vapors may cause drowsiness and dizziness.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

 Indicates information that has changed from previously issued version.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties. ©Copyright by Rust-Oleum Netherlands B.V. / Martin Mathys B.V.

16. OTHER INFORMATION



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