



SAFETY DATA SHEET

Pegagraff-Hydro component A

1. Identification of the substance/preparation and of the company/undertaking

Product name and/or code : Pegagraff-Hydro component A

Manufacturer : Rust-Oleum Netherlands BV, PO. Box 138, NL-4700 AC Roosendaal, The Netherlands
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Product use : Paint.

2. Composition/information on ingredients

Substance/preparation : Preparation

Chemical name*	CAS No.	%	EC number	Classification
Europe 1-Butanol	71-36-3	1 - 2.5	200-751-6	R10 Xn; R22 Xi; R37/38, 41 R67
See section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : This product is not classified according to the EU regulations.

This preparation is not classified as dangerous according to the EC Directive 88/379/EEC.

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.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if irregular breathing, or respiratory arrest occurs provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
- 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.

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

5. Fire-fighting measures

- Extinguishing Media** : Recommended: alcohol resistant foam, CO₂, powders, water spray.
Not to be used : waterjet.
- 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 sewers or waterways.
- Special fire-fighting procedures** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal precautions** : Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

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

7. Handling and storage

- Handling** : Keep container tightly closed.
- Avoid contact with skin and eyes. Avoid inhalation of vapors and spray mist.
- Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Put on appropriate personal protective equipment (see Section 8).
- Never use pressure to empty: container is not a pressure vessel. Always keep in containers made from the same material as the original one.
- Comply with the health and safety at work laws.
- When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapors in all cases. In such circumstances, they should wear a compressed-air-fed respirator during the spraying process and until the particulate and solvent-vapor concentrations have fallen below the exposure limits.
- Storage** : Store in accordance with local regulations. Observe label precautions. Do not store below 0°C (32°F). Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from heat and direct sunlight.
- Due to the organic solvents content of the preparation:
Keep away from: oxidizing agents, strong alkalis, strong acids.
No smoking. Prevent unauthorized access. Containers that are 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.
- Hygiene measures** : Keep away from food, drink and animal feeding stuffs. Never eat, drink or smoke in work areas. Practice good personal hygiene when using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury. Apply water proof skin cream before beginning work. Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from shoes and clean personal protective equipment. After handling, always wash hands thoroughly with soap and water.

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
Europe 1-Butanol	ACGIH TLV (United States, 2/2003). Notes: 2002 Adoption. 2002 Adoption. TWA: 20 ppm 8 hour(s). Form: All forms

- Recommended monitoring procedures** : No special measures are required. General ventilation is typically sufficient. Provide eye wash and quick drench shower close to work station. Air monitoring can be used to determine ventilation requirements and compliance with applicable employee exposure limits.
- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Personal protective equipment**
- Respiratory system** : In case of insufficient ventilation, wear suitable respiratory equipment. When spraying and sanding, suitable respiratory protection must be used.

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- Hands** : For prolonged or repeated handling, use gloves: nitrile.
Barrier creams may help to protect the exposed areas of the skin, but should not be applied once exposure has occurred.
- Skin and body** : Wear overalls or long sleeved shirt.
- Eyes** : Use safety eyewear designed to protect against splash of liquids.

9. Physical and chemical properties

- Physical state** : Liquid.
- Color** : Colorless.
- Odor** : Faint Odor
- Specific gravity** : 1.02 to 1.05 (Water = 1)
- pH** : 8 to 9 [Basic.]
- Melting point** : 0°C (32°F)
- Boiling point** : >100°C (212°F)
Nonflammable, but will burn on prolonged exposure to flame or high temperature.
No unusual hazard if involved in a fire.
- Vapor pressure** : 2.3 kPa (16.9 mm Hg) (at 20°C)
- Vapor density** : >1 (Air = 1)
- Evaporation rate** : <1 compared to Butyl acetate.
- Solubility** : Soluble in cold water, hot water.
- Viscosity** : Dynamic: 2000 to 2500 cP
- Volatility (%)** : 75% (v/v). 72% (w/w).
- VOC (W/W):** : <20 (g/l).

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 is 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 Chapters 2 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 headaches, 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.

Contains (Hydroxyphenyl-benzotriazol derivative B, Hydroxyphenyl-benzotriazol derivative A). May produce an allergic reaction.

Potential acute health effects

- Ingestion** : No data on acute toxicity of the product when ingested.
- Inhalation** : Slightly irritating to the respiratory system.
- Skin contact** : Slightly hazardous in case of Skin contact
- Eye contact** : Slightly hazardous in case of eye contact (irritant).
- Other toxic effects on humans** : Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Acute Data (LD₅₀, LC₅₀) - Toxicity to Test Animals

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
1-Butanol	LD50	790 mg/kg	Oral	Rat
	LD50	3484 mg/kg	Oral	Rabbit
	LD50	2500 mg/kg	Oral	Birds.
	LD50	3400 mg/kg	Dermal	Rabbit
	LDLo	1760 mg/kg	Oral	Dog
	LC50	8000 ppm (4 hour(s))	Inhalation	Rat

Potential chronic health effects

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

12. Ecological information

There is 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.

Ecotoxicity data

<u>Ingredient name</u>	<u>Result</u>	<u>Period</u>	<u>Species</u>
1-Butanol	Daphnia magna (EC50)	48 hour(s)	1983 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	100 mg/l
	Pimephales promelas (LC50)	96 hour(s)	1730 mg/l
	Pimephales promelas (LC50)	96 hour(s)	1910 mg/l
	Pimephales promelas (LC50)	96 hour(s)	1940 mg/l
	Pimephales promelas (LC50)	96 hour(s)	1940 mg/l

Mobility : Non-volatile.

13. Disposal considerations

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

Methods of disposal ; : Type: Hazardous chemical waste.
Waste of residues ; : Location: European Union
Contaminated packaging : Classification: - (Not classified.)
Disposal.: via incineration
Storage: * (No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.)
Recycling: * (Not applicable.)

European waste catalogue (EWC) : 080115

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	--	-	-	-		Remarks Not controlled under ADR (Europe).
IMDG Class	--	-	-	-		Remarks Not controlled under IMDG.
IATA-DGR Class	--	-	-	-		Remarks Not controlled under IATA.

This preparation is not classified as dangerous according to international transport regulations, (ADR/RID, IMDG, ICAO/IATA).

15. Regulatory information

EU Regulations : The product is labelled as follows, in accordance with local regulations:

Risk Phrases : This product is not classified according to the EU regulations.

Safety Phrases : S23- Do not breathe spray.
S51- Use only in well-ventilated areas.
S56- Dispose of this material and its container at hazardous or special waste collection point.

Product use : Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.
- Industrial applications, Used by Spraying.

Additional warning phrases : Contains (Hydroxyphenyl-benzotriazol derivative B, Hydroxyphenyl-benzotriazol derivative A). May produce an allergic reaction. Safety Data Sheet available for professional user on request.

Pegagraff-Hydro component A

EC Statistical : 3209 10 00
classification (Tariff
Code)

16. Other information

Full text of R-phrases appearing in section 2: : R10- Flammable.
R22- Harmful if swallowed.
R37/38- Irritating to respiratory system and skin.
R41- Risk of serious damage to eyes.
R67- Vapors may cause drowsiness and dizziness.

Designation of symbols in Section 2 : Xn - Harmful
Xi - Irritant

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