RUST-OLEUM MATHYS

SAFETY DATA SHEET

Pegalink

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

Product name and/or code : Pegalink

Manufacturer : Rust-Oleum Netherlands BV, PO. Box 138, NL-4700 AC Roosendaal, The Netherlands
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e-Mail address of person responsible for this SDS : rpmeurohas@ro-m.com

Product use : Paint.

2. HAZARDS IDENTIFICATION

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

Classification : R52/53

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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	
zincphosphate, modified	-	2.5 - 10		N; R51/53	[1]
2-(2-butoxyethoxy)ethanol	112-34-5	1 - 2.5	203-961-6	Xi; R36	[1] [2]
naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	0 - 1	265-185-4	R10 Xn; R65 R66 N; R51/53	[1] [2]
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.

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. Give nothing by mouth.

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, CO_2, powders, water spray.
Not to be used : water jet.

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
metal oxide/oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Refer to protective measures listed in sections 7 and 8.

Spill : 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). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using 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 the inhalation of dust, particulates, spray or mist arising from the application of this preparation.

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).

Comply with the health and safety at work laws.

Storage : Store in accordance with local regulations. Observe label precautions. Do not store below the following temperature: 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.

Keep away from: oxidizing agents, strong alkalis, strong acids.
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	Occupational exposure limits
2-(2-butoxyethoxy)ethanol	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** STEL: 15 ppm 15 minute(s). TWA: 10 ppm 8 hour(s). STEL: 15 mg/m³ 15 minute(s). TWA: 10 mg/m³ 8 hour(s).
naphtha (petroleum), hydrodesulfurized heavy	**EH40-WEL (United Kingdom (UK), 6/2005).** STEL: 850 mg/m³, (as turpentine (150 ppm)) 15 minute(s). Form: Vapor TWA: 566 mg/m³, (as turpentine (100 ppm)) 8 hour(s). Form: Vapor

Exposure controls/personal protection

Occupational exposure controls : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: - organic vapor (Type A) and particulate filter (EN 141).

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.
For prolonged or repeated handling, use the following type of gloves: nitrile rubber (EN 374) (breakthrough time) >8 hours

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, gases or dusts.
Recommended: safety glasses with side-shields (EN 166)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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: Wear overalls or long sleeved shirt. (EN 467)

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.

Odor : Faint odor.

Color : Depending on productnumber

Boiling point : >100°C (>212°F)

Vapor density : >1 (Air = 1)

Evaporation rate (BuAc=1) : <1 (butyl acetate = 1)

Volatility % : 64% (v/v), 52% (w/w)

pH : 8 to 9 [Basic.]

Viscosity : Dynamic: 900 to 1200 mPa·s (900 to 1200 cP)

Relative density (kg/L) : 1,2 to 1,3

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 sections 3 and 15 for details.

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
zincphosphate, modified	LD50 Oral	Rat	>5000 mg/kg	-
2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	6050 mg/kg	-
	LD50 Oral	Rat	5660 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
	LD50 Unreported	Rat	4500 mg/kg	-
naphtha (petroleum), hydrodesulfurized heavy	LD50 Dermal	Rabbit	>3000 mg/kg	-
	LD50 Oral	Rat	>6500 mg/kg	-
	LC50 Inhalation Vapor	Rat	>14 mg/L	4 hours

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 classified for eco-toxicological properties accordingly. See sections 2 and 15 for details.

Aquatic ecotoxicity

Ingredient name	Result	Species	Exposure
zincphosphate, modified	Acute EC50 10 to 20 mg/L	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 10 to 50 mg/L	Daphnia - Daphnia Magma	48 hours
	Acute LC50 1 to 5 mg/L	Fish - Trout - oncorhynchus mykiss	96 hours
2-(2-butoxyethoxy)ethanol	Acute LC50 2850 mg/L	Daphnia	24 hours
	Acute LC50 1300000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 33 to 75 mm	96 hours
	Acute LC50 2000000 ug/L Marine water	Fish - Inland silverside - Menidia beryllina - 40 to 100 mm	96 hours
naphtha (petroleum), hydrodesulfurized heavy	Acute EC50 4 to 10 mg/L	Daphnia	48 hours
	Acute IC50 10 to 100 mg/L	Algae	72 hours
	Acute LC50 10 to 100 mg/L	Fish	96 hours

Ecological information

Biodegradability

Conclusion/Remark : According to EC criteria: Expected to be inherently biodegradable

12. ECOLOGICAL INFORMATION

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-(2-butoxyethoxy)ethanol	-	-	Readily
naphtha (petroleum), hydrodesulfurized heavy	-	100%; < 28 day(s).	-

Bioaccumulative potential

Ingredient name	$LogP_{ow}$	BCF	Potential
2-(2-butoxyethoxy)ethanol	0,3	-	low
naphtha (petroleum), hydrodesulfurized heavy	>3	-	high

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: 08 01 15* aqueous sludges containing paint or varnish containing organic solvents or other 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 : This product is listed as Hazardous by the EU Directive on hazardous waste. Dispose of according to all national and local applicable regulations.

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	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA Class	Not regulated.	-	-	-		-

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:

Risk phrases : R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S23- Do not breathe vapor or spray.
S51- Use only in well-ventilated areas.
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

VOC for Ready-for-Use Mixture : IIA/i. One-pack performance coatings. EU limit values: 140g/l (2007) 140g/l (2010.)
This product contains a maximum of 45 g/l VOC.

Europe inventory : **Europe inventory:** Not determined.

Other EU regulations

CN code : 3209 10 00

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) : R10- Flammable.
R65- Harmful: may cause lung damage if swallowed.
R36- Irritating to eyes.
R66- Repeated exposure may cause skin dryness or cracking.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

16. OTHER INFORMATION

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.