



Safety data sheet

Prepared 26-11-2012
Revision: (date) 03-10-2024
SDS version 2.0

ITEM 1: Identification of the substance/mixture and of the company/company

1.1. Product identifier

Trade name: Glass Cleaner
Product no.: 850,005/-020/851,000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses:

Cleans even the most greasy windows, mirrors, tiles, etc. without leaving streaks and smoke. Effectively removes traffic film from car windows.
Dosage: Undiluted.

Uses advised against:

May only be used as described above, other uses must be made in consultation with the supplier.

1.3. Details of the supplier of the safety data sheet *Company name and address:*

Randers Chemical Industry A/S
Kristrupvej 158
DK-8960 Randers SØ
Tel.: 86 41 10 22
Fax. 86 41 11 45
www.rkimiljo.dk

Contact person and email:

post@rkimiljo.dk

The safety data sheet has been prepared and validated by:

Mediator ApS, Centervej 2, 6000 Kolding. Consultant: DH

1.4. Emergency

telephone line: +45 82 12 12 12

ITEM 2: Hazard identification

2.1. Classification of the substance or mixture

The product is not subject to labeling according to CLP regulation 1272/2008.

2.2. Marking elements

-

Signal word:

-

Safety data sheet can be requested on request. (EUH 210)

2.3. Other dangers

The product contains organic solvents. Repeated exposure to organic solvents can damage the central nervous system and internal organs, such as liver and kidneys.

Other marking:

-

Other

The product does not meet the criteria for PBT or vPvB.



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SECTION 3: Composition of/information on ingredients

3.1/3.2. Substances / Mixtures

Ingredient	Index no. / REACH Reg. no.	CAS no.	EC no.	CLP classification	wt/wt %	Note
1-Ethoxypropan-2-ol 603-1	7-00-8 / 01- 2119462792-32- xxxx	1569-02-4	216-374-5	Flam. Liq. 3;H226, Eye Irrit. 2;H319, STOT SEE 3;H336	1 - 5	1

1) The substance is included on the Norwegian Working Environment Authority's list of organic solvents.

Wording of H-phrases - see below in point 16.

SECTION 4: First aid measures

4.1. Description of first aid measures *Inhalation:*

In case of discomfort: Seek fresh air.

Seek medical attention in case of discomfort.

Intake:

Rinse your mouth thoroughly and drink 1-2 glasses of water in small sips.

Consult a doctor in case of persistent discomfort.

Skin contact:

Remove contaminated clothing.

Wash the skin with soap and water.

Consult a doctor in case of persistent discomfort.

Eye contact:

If the product gets into the eyes, rinse with water (preferably from eyewash) until the irritation ceases. Seek medical attention if irritation persists.

Other information:

When consulting a doctor, bring the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed Neurotoxic

effects: The product contains solvent which can have an effect on the nervous system. Repeated exposure to solvents can result in the skin's natural fat layer breaking down. The skin will then be more exposed to the absorption of harmful substances such as allergens.

4.3. Indication of immediate medical attention and special treatment needed Show this safety data sheet to doctor or emergency department.

SECTION 5: Fire fighting

5.1. Extinguishing media

Extinguish with powder, foam, carbonic acid or water mist.

Do not use a water jet as this can spread the fire.

5.2. Special hazards associated with the substance or mixture The

product is not immediately flammable. Avoid inhalation of vapors and fumes - seek fresh air.

In case of fire, dangerous flue gases are formed.

Exposure to decomposition products can cause health damage.

5.3. Instructions for firefighters Firefighters

should use suitable protective equipment.

SECTION 6: Precautions against accidental release

6.1. Personal safety measures, personal protective equipment and emergency procedures No special requirements.

6.2. Environmental protection measures Avoid unnecessary release to the environment.

6.3. Methods and equipment for containment and clean-up

Spillage is wiped up with a cloth.



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6.4. Reference to other points See point 8 for type of protective equipment. See point 13 for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling See under point 8 for information on precautions for use and personal protective equipment.

7.2. Conditions for safe storage, including any incompatibility The product should be stored securely, out of the reach of children and not together with food, feed, medicines etc. Should be stored in tightly closed original packaging.
Storage temperature: 10 - 20 °C
Shelf life: 3 years under these conditions.

7.3. Special uses See use section 1.

SECTION 8: Exposure controls/personal protective equipment

8.1. Control parameters

Limit values according to executive order no. 291 of 19/03/2024 on limit values for substances and materials (chemical agents) in the working environment:

DNEL/PNEC values:**DNEL 1-Ethoxypropan-2-ol**

	Workers 106 mg/	Consumers
Inhalation - Chronic Systemic	m ³ 500 mg/	127 mg/m ³
Inhalation - Acute Systemic	m ³ 74 mg/	300 mg/m ³
Dermal - Chronic Systemic	kg bw/day	44.3 mg/kg bw/day
Oral - Chronic Systemic	-	14 mg/kg bw/day

PNEC 1-Ethoxypropan-2-ol

Fresh water	10 mg/L
Intermittent releases (Freshwater)	19 mg/L
Sea water	1 mg/L
Land	1.97 mg/kg soil dw

8.2. Exposure controls There is no exposure scenario for this product.

Appropriate exposure control measures:

Wash hands after use.

Personal protective equipment:**Respiratory protection:**

Not required.

Use respirator with A2/P2 filter in case of insufficient ventilation.

Protection of hands:

Plastic or rubber gloves are recommended.

Eye/ face protection:

Use protective glasses if there is a risk of splashing in the eyes.

Protection of skin:

Not required.

Measures to limit environmental exposure:

It must be ensured that local regulations for discharge are observed.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Physical form Color: Odor:

Melting point/	Liquid
Freezing	Colorless
point	Slightly ammoniacal
(°C): Boiling point or initial boiling point	-
and boiling range (°C): Flammability: Lower and upper explosion limit (vol-%): Flash point	-
(°C): Autoignition	-
temperature (°C): Decomposition temperature (°C): pH:	-
Kinematic viscosity	-
(mm ² /s): Solubility: Partition coefficient n-	-
octanol/water (log value): Vapor	10.4
pressure: Density and/or relative density:	-
Relative vapor	Soluble in water
density: Particle properties:	-
	-
	-
	-
	-

9.2. Other information

No.

SECTION 10: Stability and reactivity

10.1. Reactivity No

data.

10.2. Chemical stability The

product is stable when used according to the supplier's instructions.

10.3. Risk of dangerous reactions

None known.

10.4. Conditions to avoid None

known.

10.5. Materials to avoid

No one known.

10.6. Hazardous decomposition products

None under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) no. 1272/2008

Acute toxicity:

The database does not give rise to classification.

Substance	Exposure route Art	Testing	Result
1-Ethoxypropan-2-ol	Oral	Rat	LD50
1-Ethoxypropan-2-ol	Inhalation	Rat	LC50/ 4 Hours
1-Ethoxypropan-2-ol	Dermal	Rat	LD50
			> 2 mL/kg bw
			> 9.59 mg/L air
			>2000 mg/kg bw

Skin corrosion/irritation:

May be irritating to the skin - may cause redness.

Serious eye damage/eye irritation:

May cause eye irritation.

Respiratory sensitization or skin sensitization:

The database does not give rise to classification.

Germ cell mutagenicity:

The database does not give rise to classification.

Carcinogenicity:

The database does not give rise to classification.



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Reproductive toxicity:

The database does not give rise to classification.

Single STOT exposure:

The product contains small amounts of organic solvents. When working on large areas in poorly ventilated rooms, the fumes can cause headaches and dizziness.

Repeated STOT exposures:

Prolonged or repeated inhalation of vapors can cause damage to the central nervous system.

Aspiration hazard:

The database does not give rise to classification.

11.2. Information on other hazards

Test data not available.

SECTION 12: Environmental information

12.1. Toxicity

Substance	Duration of the test Art	Testing	Result
1-Ethoxypropan-2-ol 96 Hours	Fish	LC50	5300 mg/L
1-Ethoxypropan-2-ol 48 Hours	Daphnia	LC50	> 1000 mg/L
1-Ethoxypropan-2-ol 96 Hours	Algae	EC50	1900 mg/L

12.2. Persistence and degradability Substance Degradability in the aquatic environment

Substance	Testing	Result
1-Ethoxypropan-2-ol Yes	OECD Guideline 301 F	28 days 78%

12.3. Bioaccumulative potential Substance Potentially bioaccumulative

Substance	LogPow
No data.	-

12.4. Mobility in soil

Test data not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Hormone-disrupting properties

Test data not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal

13.1. Methods for waste treatment

The product is not hazardous waste according to the Waste Order. It is recommended that waste and waste be disposed of via the municipal waste scheme with the specifications below.

EAK code	Description	Chemical waste group
20 01 30	Detergents, except waste belonging to 20 01 29	H

Special marking:

-

Contaminated packaging:

Empty packaging and residues can be disposed of with the daily waste disposal service.



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SECTION 14: Transport information

The product is not covered by the regulations on the transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 - 14.4.

ADR

-

IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for the user

-

14.7. Bulk transport by sea according to IMO instruments

Not relevant.

SECTION 15: Information on regulation

15.1. Special regulations/specific legislation for the substance or mixture with regard to safety, health and the environment

Sources:

The Norwegian Working Environment Authority's order no. 301 of 13 May 1993 on determining code numbers, with later amendments.

Order on work with substances and materials (chemical agents) - BEK no. 381 of 12/04/2023, with subsequent amendments.

The Norwegian Working Environment Authority's order no. 1049 of 30 May 2021 on youth work, with later amendments.

Executive order no. 1369 of 25 November 2015 on marketing and labeling of volatile organic compounds in certain paints and varnishes as well as products for car refinishing.

Executive order no. 1565 of 19 December 2022 on the import and sale of highly toxic and toxic substances and mixtures, etc., on the storage and reporting of theft of certain substances and mixtures and on the prohibition of misleading statements when marketing substances and mixtures.

Executive order no. 6 of 4 January 2023 of the Chemicals Act.

Executive order no. 1794 of 18/12/2015 on special duties for manufacturers, suppliers and importers etc. of substances and materials under the Act on the Working Environment, with subsequent amendments.

Executive order no. 291 of 19/03/2024 on limit values for substances and materials (chemical agents) in the working environment, with subsequent amendments.

Executive order no. 573 of 23/05/2024 on waste, with later amendments.

Other marking:

PR number: 2474024

Declaration according to EU Regulation no. 648/2004:

Below 5%:

Anionic surfactants

Limitations of use:

Young people under the age of 18 may not professionally use or be exposed to the product. However, young people over the age of 15 are exempt from this rule if the product is included as a necessary part of an education. (cf., however, the Norwegian Working Environment Authority's Executive Order on youth work).

During a workplace assessment, it must be ensured that employees are not exposed to influences that could entail a risk during pregnancy or breastfeeding (cf. BEK no. 1839 of 14/12/2023 on the performance of the work).

Requirements for special education:

-

15.2. Chemical Safety Assessment

No.



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SECTION 16: Other information

Prepared on the basis of EU regulation 1907/2006 (REACH)

Other information:

Sources:

EU regulation no. 1907/2006 (REACH), with later adaptations.

EU regulation no. 1272/2008 (CLP), with later adaptations.

Directive 2008/98/EC

ECHA – The European Chemicals Agency.

The full wording of H sentences referred to in points 2+3:

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Classification according to Regulation (EC) no. 1272/2008:

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, assessment and approval of and restrictions on chemicals. Regulation (EC) no. 1907/2006.

CLP: Regulation (EC) no. 1272/2008 on classification, labeling and packaging.

CAS No.: Chemical Abstracts Service number.

EC no.: EINECS and ELINCS number (see also EINECS and ELINCS).

DNEL: Derived No-Effect Level (Derived No-Effect Level).

PNEC: Predicted No Effect Concentration (Predicted No Effect Concentration).

STOT: Specific Target Organ Toxicity (Specific Target Organ Toxicity).

LD50: Lethal Dose for 50% of a test population.

LC50: Lethal concentration for 50% of a test population.

EC50: The effective substance concentration that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic substance (Persistent, Bioaccumulative and Toxic).

vPvB: Very persistent and very bioaccumulative (Very Persistent and Very Bioaccumulative).

NOEC: The highest tested concentration where, in a study, no statistically significant effect is observed in the exposed population compared to an appropriate control group (No Observed Effect Concentration).

NOAEL: The highest tested dose or the highest tested exposure level at which no statistically significant increases in the frequency or severity of adverse effects occur between the exposed population and an appropriate control group. Some effects may occur at this level, but they are not considered harmful or precursors of harmful effects.

Other:

The information in this safety data sheet only applies to the product mentioned in point 1 and is not necessarily valid when used together with other products.

Changes have been made in the following points:

General update.

This safety data sheet replaces version:

1.9