

Safety Data Sheet in accordance with Regulation (EC) No. 1907/2006, as amended

Version: 1.1

Date of compilation: 02.02.2007.

Date of revision: 20.02.2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Trade name:****eco cut uni (1100)
eco cut low-E (1000)****1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses of the mixture:** Cutting window glass.**Uses advised against:** Undetermined.**1.3. Details of the supplier of the safety data sheet****Supplier:** **eco in spółka z ograniczoną odpowiedzialnością sp. k.**
ul. Powsińska 18
02-920 Warszawa
Tel.: +48 22 651 68 14
Fax: +48 22 651 81 72
e-mail: biuro@ecoin.pl**E-mail of competent person responsible for Safety Data Sheet:** biuro@ecoin.pl, lse1@wp.pl**1.4. Emergency telephone number**

Tel.: + 48 22 651 68 14 (hours: 8 a.m. – 5 p.m., Monday - Friday) or 112 (24 h)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008, as amended:****Aspiration toxicity, category 1 (Asp. Tox. 1).**

May be fatal if swallowed and enters airways (H304).

Classification according to Directive 1999/45/EC, as amended and Polish regulations:**Harmful (Xn).**

Harmful: may cause lung damage if swallowed (R65).

Repeated exposure may cause skin dryness or cracking (R66).

Adverse effects on human health:

High concentrations of vapours or when liquid gets into the eye may cause irritation of the mucous membranes of the eyes (burning, redness, tearing). High concentrations of vapours may cause respiratory irritation, fatigue, weakness, drowsiness, nausea, headaches, dizziness, sore

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throat, cough. Contact with skin may cause mild irritation, redness, pain, itching. Ingestion causes nausea, vomiting with a risk of aspiration, which can lead to aspiration into the respiratory tract, leading to inflammation of the lung or pulmonary edema.

Adverse effects on the environment:

Proper use does not pose a risk to the environment.

Effects related to the physicochemical properties:

Product vapours are heavier than air and may form explosive mixtures with air.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008, as amended:

Pictograms:



Signal word: DANGER.

Hazard statements:

H304 May be fatal if swallowed and enters airways

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

Contains: Naphtha (petroleum), heavy alkylate

2.3. Other hazards

The mixture does not meet the criteria for PBT and vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product identifier: eco cut uni (1100) eco cut low-E (1000)




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Components of the mixture:

Substance name	Index No:	CAS No:	WE No:	Mass fraction in %	Classification according to Directive 67/548/EWG			Classification according to Regulation (EC) No.: 1272/2008	
					Sign	Symbol	R-phrases	Hazard class and code of category	Hazard Statements
Naphtha (petroleum), heavy alkylate*	649-275-00-4	64741-65-7	265-067-2	≥ 50 and ≤ 100		Xn	65 66	Asp. Tox. 1 -	H304 EUH066**
Distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8	≥ 5 and ≤ 10		Xn	65 66	Asp. Tox. 1 -	H304 EUH066**
3-butoxypropan-2-ol	603-052-00-8	5131-66-8	225-878-4	≥ 5 and ≤ 10		Xi	36/38	Eye Irrit. 2 Skin Irrit. 2	H319 H315

* Note P was applied.

“The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).”

** EUH066 is placed only on the label.

The full text of R-phrases, H-statements, hazard classes and codes of categories are given in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After contact with eyes:

Remove contact lenses if present. Immediately rinse thoroughly with plenty of water within 15 minutes. Avoid strong stream of water due to the risk of mechanical damage to the cornea. If symptoms persist, seek medical advice.

After contact with skin:

Immediately rinse with plenty of water. Remove contaminated clothing. Wash off immediately contaminated skin with soap and water.

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After ingestion:

If swallowed, do not induce vomiting because of risk of aspiration and penetration of the mixture into the lungs. Provide immediate medical attention.

After inhalation:

Remove victim from exposure, place in a comfortable sitting or reclining position, keep calm, protect against heat loss. If necessary, call a physician.

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

High concentrations of vapours or when liquid gets into the eye may cause irritation of the mucous membranes of the eyes (burning, redness, tearing). High concentrations of vapours may cause respiratory irritation, fatigue, weakness, drowsiness, nausea, headaches, dizziness, sore throat, cough. Contact with skin may cause mild irritation, redness, pain, itching. Ingestion causes nausea, vomiting with a risk of aspiration, which can lead to aspiration into the respiratory tract, leading to inflammation of the lung or pulmonary edema.

4.3. Indication of any immediate medical attention and special treatment needed

No special requirements. Symptomatic treatment.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Foam, carbon dioxide, dry powder, water spray jet.

Not suitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Toxic fumes may release in a fire: carbon monoxide (CO), carbon dioxide (CO₂) .

5.3. Advice for firefighters

Wear gas-tight protective clothing and breathing apparatus independent of the ambient air.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing made of natural materials (cotton) or synthetic fibres, nitrile gloves (thickness 0.4 ± 0.05 mm, breakthrough time ≥ 480 min.) and safety goggles.

Remove unprotected persons which are not involved in removal of failure from risk area.

Avoid direct contact with the mixture. Avoid inhalation of vapours.

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6.2. Environmental precautions

Prevent from entering drains, surface waters, groundwater and soil.

6.3. Methods and material for containment and cleaning up

Secure sink basins. Damaged packaging put in emergency container. Dilute vapours with water spray. Remove sources of ignition (extinguish a fire, forbid of smoking and use of sparking tools). Adsorb the product into chemically inert binding material (sand, diatomaceous earth), transfer to tightly sealed containers and forward for disposal. Rinse contaminated area with plenty of water.

6.4. Reference to other sections

Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Provide adequate general and local ventilation. Keep away from sources of heat and ignition. Avoid contact with skin and eyes. Do not breathe vapours. Prevent from entering drains, surface waters, groundwater and soil. Do not eat, drink or smoke at work. wash hands during breaks and after work. Remove contaminated clothing, launder before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Vapours of the product with air can form explosive mixtures. Vapours are heavier than air and may accumulate at the surfaces of the floor or the ground. Store in the original, properly labelled, tightly closed containers in a cool, dry, well-ventilated area. Keep away from heat, sources of ignition, fire.

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits for Poland – none.

Indicative occupational exposure limit values for EC – none.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

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8.2. Exposure controls

8.2.1 Appropriate engineering controls

Use adequate general and local ventilation in the workplace. Do not breathe vapours. Provide shower and eye wash station. Observe the general safety of industrial hygiene, occupational health and safety training periods. Do not use contaminated clothing, launder before reuse. Wear personal protective equipment. Apply a periodic review and maintenance of personal protective equipment.

8.2.2. Individual protection measures, such as personal protective equipment



Eye protection: safety goggles
Requirements for eye protection: EN 166.



Hand protection: nitrile gloves (thickness 0.4 ± 0.05 mm, breakthrough time ≥ 480 min.). Requirements for protection of hands: EN 374.



Skin protection: protective clothing made of natural materials (cotton) or synthetic fibres.
Requirements for protective clothing: EN 943-1:2005, EN ISO 6529, PN-EN ISO 6530:2008, EN 1149.



Respiratory protection: In the case of not sufficient ventilation use respiratory protection with filter marked with white colour and a symbol of P2 and filter marked with brown colour and the letter A. You can apply filters combined AP.
Requirements for respiratory protection equipment: EN 143.

Recommended procedures for monitoring air quality in the workplace:

EN 482, EN 689, EN 1540

Hygiene at work: apply the general rules of industrial hygiene. After work take off contaminated clothing. Before breaks at work wash hands and face. After work, wash the entire body. Do not eat, drink or smoke while working.

8.2.3. Environmental exposure controls

Prevent from entering drains, surface waters, groundwater and soil.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	colorless liquid.
Odour:	aromatic
Odour threshold:	no data available for the mixture
pH:	no data available for the mixture
Melting point/ freezing point:	no data available for the mixture
Initial boiling point and boiling range:	no data available for the mixture
Flash point:	59 °C (ISO 2719)
Flash temperature:	>270°C, DIN 51794
Evaporation rate:	no data available for the mixture
Flammability:	the mixture is flammable.
Upper/lower flammability or explosive limits:	upper: 6.5 % vol. / lower: 1.1 % vol.
Vapour pressure:	no data available for the mixture
Vapour density:	no data available for the mixture
Relative density:	0.76 (water=1) (DIN 51 757)
Solubility:	practically insoluble in water
Partition coefficient: n-octanol/water:	no data available for the mixture
Auto-ignition temperature:	no data available for the mixture
Decomposition temperature:	no data available for the mixture
Viscosity:	2 mPaxs w 20 °C (DIN 54453)
Explosive properties:	vapours of the product with air can form explosive mixtures
Oxidizing properties:	no data available for the mixture

9.2. Other information

No data available for the mixture.

SECTION 10: Stability and reactivity

10.1. Reactivity

In the recommended conditions of storage and use - no reactivity.

10.2. Chemical stability

Under normal conditions of handling and storage the product is stable.

10.3. Possibility of hazardous reactions

Vapours of the product with air can form explosive mixtures.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Strong oxidizers.

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10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Based on the available data, the classification criteria are not met.

Component	dose	value	unit
For the product:	DL ₅₀ – oral rat	> 2000	mg/kg

Skin corrosion/irritation:

Based on the available data, the classification criteria are not met, but repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation:

Based on the available data, the classification criteria are not met.

Respiratory or skin sensitization:

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on the available data, the classification criteria are not met.

Carcinogenicity:

Based on the available data, the classification criteria are not met.

Reproductive toxicity:

Based on the available data, the classification criteria are not met.

STOT-single exposure:

Based on the available data, the classification criteria are not met.

STOT-repeated exposure:

Based on the available data, the classification criteria are not met.

Aspiration hazard:

Harmful: may cause lung damage if swallowed.

Local exposure

By inhalation: High concentrations of vapours may cause respiratory irritation, fatigue, weakness, drowsiness, nausea, headaches, dizziness, sore throat, cough.

Contact with eyes: High concentrations of vapours or when liquid gets into the eye may cause irritation of the mucous membranes of the eyes (burning, redness, tearing).

Contact with skin: Contact with skin may cause mild irritation, redness, pain, itching.

By ingestion: Ingestion causes nausea, vomiting with a risk of aspiration, which can lead to aspiration into the respiratory tract, leading to inflammation of the lung or pulmonary edema.

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SECTION 12: Ecological information

12.1. Toxicity

Based on the available data, the classification criteria are not met.

Acute toxicity:

Component	CAS:	dose	value /	unit
Naphtha (petroleum), heavy alkylate	64741-65-7	LL ₅₀ - fish (<i>Oncorhynchus mykiss</i>)	10-18	mg/l (96h)
		LL ₅₀ - fish (<i>Pimephales promelas</i>)	8.3	mg/l (96h)
Distillates (petroleum), hydrotreated light	64742-47-8	LL ₅₀ - fish (<i>Oncorhynchus mykiss</i>)	18-25	mg/l (96h)
		LL ₅₀ - fish (<i>Brachydanio rerio</i>)	7.3	mg/l (96h)
		EL ₅₀ - invertebrates (<i>Daphnia magna</i>)	1.4-21	mg/l (48h)
		I _r L ₅₀ - algae (<i>Raphidocelis subcapitata</i>)	3.7-8.3	mg/l (72h)

12.2. Persistence and degradability

Naphtha (petroleum), heavy alkylate: not readily biodegradable (OECD 301A)

12.3. Bioaccumulative potential

Partition coefficient octanol/water (Kow): No data available.
 Bioconcentration factor (BCF): No data available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Mixture does not meet the criteria for PBT and vPvB.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not dispose together with household wastes, do not enter into the sewage system. Do not allow contamination of groundwater and surface water. Empty thoroughly containers. Reusable packaging can be (after cleaning) used again. Recycle disposable packaging (after thorough cleaning).

Special precautions:

Remove the product and its container in a safe way. Be careful when handling empty containers that have not been thoroughly cleaned. Prevent the release of the product into the soil, watercourses and drains.

Community law:

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.
 Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste, as amended.

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European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste, as amended.

Polish law:

The Act of 14 December 2012 on waste (O.J.2013.0.21), as amended.

The Act of 13 June 2013 on packaging and packaging waste (O.J.2013.0.888).

Regulation of the Minister of the Environment of 9 December 2014 on the catalogue of wastes, (O.J.2014.0.1923)

Proclamation of the Marshal of the Polish Sejm on 4 September 2014 on publication of the consolidated text of the law on obligations of entrepreneurs in the field of management of certain wastes and on product fee, (O.J.2014.0.1413).

SECTION 14: Transport information

ADR/RID, IMDG, IATA

14.1. UN Number	3295
14.2. UN Proper shipping name	
ADR/RID	HYDROCARBONS, LIQUID, I.N.O.
14.3. Transport hazard class(es)	3
14.4. Packing group	III
EmS:	F-A S-B

14.5. Environmental hazards

The product does not pose a risk to the environment in accordance with the criteria in the UN Model Regulations.

14.6. Special precautions for user

Always transport in closed containers and properly secured. Ensure that persons transporting the product know what to do in case of failure.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture

Regulation (EC) 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Regulation Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 and Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000 / 21/WE (Official Journal of the European Union, series L No 396 of 30 December 2006), as amended.

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REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union, series L No 353 of 31 December 2008), as amended.

Act of 25 February 2011 on chemical substances and their mixtures (O.J.2011.63.322).

Regulation of the Minister of Health of 10 August 2012 on the criteria and classification of chemical substances and mixtures (O.J.2012.0.1018), as amended.

Regulation of the Minister of Economy of 21 December 2005 on the basic requirements for personal protective equipment (O.J.2005.259.2173).

Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to occurrence of chemical agents at work (O.J.2005.11.86), as amended.

Regulation of the Minister of Health on 2 February 2011 on the tests and measurements of harmful factors in the work environment (O.J.2011.33.166).

Regulation of the Minister of Labour and Social Policy of 14.03.2000 r on occupational health and safety in transport manual handling (O.J.2000.26.313), as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment is available for this product.

SECTION 16: Other information

The full text of R-phrases, H-statements, hazard classes and codes of categories mentioned in section 3.

R36/38 Irritating to eyes and skin.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

Xn Harmful.
 Xi Irritant.

H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 EUH066 Repeated exposure may cause skin dryness or cracking.

Asp. Tox. 1 Aspiration toxicity, category 1.
 Skin Irrit. 2 Skin irritation, category 2.
 Eye Irrit. 2 Eye irritation, category 2.

Recommendations for staff training

Before starting work with the product the user is required to read the safety rules regarding the safe handling of chemicals, and most of all have appropriate training in the workplace.

Changes

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Section 1: Update E-mail address of the person responsible for the SDS

Section 2: update phrases P, completion other text

Subsection 5.3, 6.4, 8.2 (update standards), subsection 12.2 (update regulations), Section 13 (update regulations),), Section 15 (update regulations), the heading: giving the version number.

Safety Data Sheet is not a quality certificate of the product. The information contained herein should be considered only as a help in safe handling the product in transportation, distribution use and storage. The information contained herein apply only to the product and its specific identified uses. They may not be current or sufficient for the product used in combination with other materials or in other applications than those listed in this Safety Data Sheet. The user of the product is obliged to comply with all applicable standards and regulations, and responsibility resulting from improper use of information contained herein.