



NIELSEN

SAFETY DATA SHEET BLUE WINDOW CLEAN II

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name BLUE WINDOW CLEAN II

Internal identification L715

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

Identified uses Cleaning agent.

Uses advised against Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier NIELSEN CHEMICALS
 RAWDON ROAD
 MOIRA
 SWADLINCOTE
 DERBYSHIRE
 DE12 6DA
 TEL: +44 (0) 1283 222277
 FAX: +44 (0) 1283 225731
 info@nielsenchemicals.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330 (24 hrs). +44 (0) 1865 407333 (24 hrs). MEDICAL AND ENVIRONMENTAL EMERGENCIES ONLY.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

Precautionary statements P280 Wear protective gloves.
 P501 Dispose of contents/ container in accordance with national regulations.

Detergent labelling 5 - < 15% aliphatic hydrocarbons, < 5% perfumes, Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

BLUE WINDOW CLEAN II

3.2. Mixtures

2-BUTOXYETHANOL	5-10%
CAS number: 111-76-2	EC number: 203-905-0
	REACH registration number: 01-2119475108-36-XXXX
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn;R20/21/22 Xi;R36/38
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6	<1%
CAS number: 55965-84-9	
M factor (Acute) = 10	M factor (Chronic) = 10
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 3 - H301	T;R23/24/25 C;R34 R43 N;R50/53
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Show this Safety Data Sheet to the medical personnel.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues.

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

Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Prolonged contact may cause dryness of the skin. The product contains a sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.
Eye contact	May cause discomfort.

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

BLUE WINDOW CLEAN II

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances:
Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not touch or walk into spilled material. Avoid inhalation of vapours. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective gloves. Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Avoid breathing vapour/spray. Do not use in paint spraying equipment. Do not reuse empty containers. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 4°C and 40°C.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BLUE WINDOW CLEAN II

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL

Industry - Dermal; Short term systemic effects: 89 mg/kg/day
 Industry - Inhalation; Short term systemic effects: 663 mg/m³
 Industry - Dermal; Long term systemic effects: 75 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 98 mg/m³
 Consumer - Dermal; Short term systemic effects: 44.5 mg/kg
 Consumer - Inhalation; Short term systemic effects: 426 mg/m³
 Consumer - Oral; Short term systemic effects: 13.4 mg/m³
 Consumer - Dermal; Long term systemic effects: 38 mg/kg
 Consumer - Oral; Long term systemic effects: 3.2 mg/kg
 Consumer - Inhalation; Long term systemic effects: 49 mg/kg
 Consumer - Inhalation; local effects: 123 mg/kg
 Industry - Inhalation; local effects: 246 mg/m³

PNEC

- Fresh water; 8.8 mg/l
 - Marine water; 0.88 mg/l
 - Sediment (Freshwater); 34.6 mg/kg
 - Soil; 2.8 mg/kg
 - STP; 463 mg/l
 - Sediment (Marinewater); 3.46

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Protective gloves should have a minimum thickness of 0.28 mm. For work of short duration or where a high degree of manual dexterity is needed, use protective gloves made of: Rubber (natural, latex). Nitrile rubber. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Blue.
Odour	Pleasant, agreeable.
pH	pH (concentrated solution): 6.0 - 8.0
Relative density	0.997 @ 20°C
Solubility(ies)	Completely soluble in water.

9.2. Other information

Other information	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

BLUE WINDOW CLEAN II

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances:
Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 23,187.25

Acute toxicity - dermal

ATE dermal (mg/kg) 14,077.03

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 146.08

Inhalation May cause discomfort.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Prolonged contact may cause dryness of the skin. The product contains a sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact May cause discomfort.

Toxicological information on ingredients.

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,746.0

Species Rat

ATE oral (mg/kg) 1,746.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 1,060.0

Species Rabbit

ATE dermal (mg/kg) 1,060.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀)

ATE inhalation (vapours mg/l) 11.0

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 53.0

Species Rat

Notes (oral LD₅₀) Estimated value.

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ATE oral (mg/kg)	53.0
<u>Acute toxicity - dermal</u>	
ATE dermal (mg/kg)	300.0
<u>Acute toxicity - inhalation</u>	
ATE inhalation (vapours mg/l)	3.0
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.

2-BUTOXYETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 820 - 1490 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 835 - 1550 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 1840 mg/l, Algae

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Acute toxicity - fish Estimated value.
LC₅₀, 96 hours: 13 mg/l, Fish

Chronic aquatic toxicity

NOEC 0.001 < NOEC ≤ 0.01

Degradability Non-rapidly degradable

M factor (Chronic) 10

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.

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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Special Provisions note

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

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EU legislation

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
 Commission Regulation (EU) No 453/2010 of 20 May 2010.
 Commission Regulation (EU) No 2015/830 of 28 May 2015.

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 vPvB: Very Persistent and Very Bioaccumulative.
 EC₅₀: 50% of maximal Effective Concentration.
 NOEC: No Observed Effect Concentration.
 UN: United Nations.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 21/06/2017

Revision 2.4

Supersedes date 15/07/2016

Risk phrases in full

Not classified.
 R11 Highly flammable.
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R35 Causes severe burns.
 R36 Irritating to eyes.
 R36/38 Irritating to eyes and skin.
 R67 Vapours may cause drowsiness and dizziness.

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Hazard statements in full

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.