SAFETY DATA SHEET

i.66 carpet protect

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.66 carpet protect

Unique formula identifier (UFI):
5WRK-6TYG-4Y7F-UCF9

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

▼*Relevant identified uses of the substance or mixture:*
Washing and cleaning products (including solvent based products)
Restricted to professional and industrial use.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

▼*Company and address:*
i-hygienic B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mail:
info@hygeniq.com

Revision:
05/12/2025

SDS Version:
2.0

Date of previous version:
07/07/2025 (1.0)

1.4. ▼Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 111 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.

2.2. Label elements

Hazard pictogram(s):

Signal word:

Warning

Hazard statement(s):

Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)

Precautionary statement(s):

▼*General:*
Not applicable.

Prevention:
Avoid breathing mist/vapour. (P261)
Wear eye protection/protective gloves. (P280)

Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
If eye irritation persists: Get medical advice/attention. (P337+P313)

Storage:
Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

Disposal:
Dispose of contents/container in accordance with local regulation. (P501)

Hazardous substances:

isopropyl alcohol

Additional labelling:

UFI: 5WRK-6TYG-4Y7F-UCF9

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
isopropyl alcohol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	15-25%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated	CAS No.: 102782-92-3 EC No.: 600-354-1 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[19]
2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: Index No.: 603-096-00-8	<1%	Eye Irrit. 2, H319	[1], [3]
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	CAS No.: 111-76-2 EC No.: 203-905-0 UK-REACH: Index No.: 603-014-00-0	<1%	Acute Tox. 4, H302 (ATE: 1200.00 mg/kg) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 3, H331	[1]
2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol	CAS No.: 112-25-4 EC No.: 203-951-1 UK-REACH: Index No.: 603-178-00-3	<0.25%	Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.
[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: ●2YE

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

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.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.
Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap. Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:
1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

isopropyl alcohol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m^3): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m^3): 1250

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Long term exposure limit (8 hours) (ppm): 10
Long term exposure limit (8 hours) (mg/m^3): 67,5
Short term exposure limit (15 minutes) (ppm): 15
Short term exposure limit (15 minutes) (mg/m^3): 101,2

2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Long term exposure limit (8 hours) (ppm): 25
Long term exposure limit (8 hours) (mg/m^3): 123
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m^3): 246

Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼DNEL

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	10 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	50 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	20 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	83 mg/kg bw/day
Long term – Local effects - General population	Inhalation	50,6 mg/m³
Long term – Local effects - Workers	Inhalation	67,5 mg/m³
Long term – Local effects - Workers	Inhalation	34 mg/m³
Long term – Systemic effects - General population	Inhalation	34 mg/m³
Long term – Systemic effects - General population	Inhalation	40,5 mg/m³
Short term – Local effects - General population	Inhalation	60,7 mg/m³
Short term – Local effects - Workers	Inhalation	101.2 mg/m³
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	75 mg/kg/day
Long term – Systemic effects - Workers	Dermal	125 mg/kg/day
Short term – Systemic effects - Workers	Dermal	89 mg/kg/day
Long term – Systemic effects - General population	Inhalation	59 mg/m³
Long term – Systemic effects - Workers	Inhalation	98 mg/m³
Short term – Local effects - General population	Inhalation	147 mg/m³
Short term – Local effects - Workers	Inhalation	246 mg/m³
Short term – Systemic effects - General population	Inhalation	426 mg/m³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m³
Long term – Systemic effects - General population	Oral	6.3 mg/kg bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	4.63 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	9.3 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	9.25 mg/kg bw/day

Short term – Systemic effects - Workers	Dermal	18.5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.9 mg/m³
Long term – Systemic effects - Workers	Inhalation	18.4 mg/m³
Long term – Systemic effects - General population	Oral	240 µg/kg bw/day
Short term – Systemic effects - General population	Oral	490 µg/kg bw/day

isopropyl alcohol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	319 mg/kg
Long term – Systemic effects - Workers	Dermal	888 mg/m³
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - Workers	Inhalation	500 mg/m³
Long term – Systemic effects - General population	Oral	26 mg/kg

▼**PNEC**

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		1 mg/L
Freshwater		1.1 mg/L
Freshwater sediment		4 mg/kg
Freshwater sediment		4.4 mg/kg
Intermittent release		3,9 mg/L
Intermittent release (freshwater)		11 mg/L
Marine water		0,11 mg/L
Marine water		110 µg/L
Marine water sediment		0,4 mg/kg
Marine water sediment		440 µg/kg
Marine water sediment		4,4 mg/kg TG
Predators		56 mg/kg
Sewage treatment plant		200 mg/L
Soil		320 µg/kg

2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Intermittent release (freshwater)		26.4 mg/L
Marine water		880 µg/L
Marine water		0.88 mg/L
Marine water sediment		3.46 mg/kg
Predators		20 mg/kg

Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg

2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		140 µg/L
Freshwater sediment		644 µg/kg
Intermittent release (freshwater)		1.4 mg/L
Marine water		14 µg/L
Marine water sediment		64.4 µg/kg
Sewage treatment plant		75 mg/L
Soil		46.7 µg/kg

isopropyl alcohol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		140,9 mg/L
Freshwater sediment		552 mg/kg
Intermittent release		140,9 mg/L
Marine water		140,9 mg/L
Marine water sediment		552 mg/kg
Sewage treatment plant		2251 mg/L
Soil		28 mg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only UKCA marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
Respiratory protection is not needed in the event of adequate ventilation.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

Colour:
Colourless

Odour / Odour threshold:
Alcohol odor

pH:
ca. 6

Density (g/cm^3):
0.95 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Lower and upper explosion limit (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Oxidizing properties:
No data available.

Other physical and chemical parameters:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

▼Acute toxicity

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	isopropyl alcohol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>20

Product/substance	isopropyl alcohol
Route of exposure:	Oral
Test:	LD50
Result:	5849 mg/kg

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5840 mg/kg

Product/substance	isopropyl alcohol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	12800 mg/kg

Product/substance	isopropyl alcohol
Route of exposure:	Inhalation
Test:	LC50
Result:	301002 mg/L

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	> 5000 mg/kg

Product/substance	isopropyl alcohol
Species:	Rabbit
Route of exposure:	Dermal

Test:	LD50
Result:	>5000 mg/kg

Product/substance	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Species:	Rat
Route of exposure:	Inhalation
Test:	LC0
Result:	>2,1 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2764 mg/kg

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2410 mg/kg

Product/substance	
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	
Test method:	OECD 401
Species:	Rat, male
Route of exposure:	Oral
Result:	1746 mg/kg

Product/substance	
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	
Test method:	OECD 401
Species:	Rat, male/female
Route of exposure:	Oral
Result:	880 mg/kg

Product/substance	
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	
Route of exposure:	Oral
Result:	1200 mg/kg

Product/substance	
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	
Test method:	OECD 402
Species:	Rabbit, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	

2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 402
Species: Guinea pig, male/female
Test: LD50
Result: >2000 mg/kg

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 402
Species: Rat, male/female
Route of exposure: Dermal
Test: LD50
Result: >2000 mg/kg

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

▼Skin corrosion/irritation

Product/substance isopropyl alcohol
Test method: OECD 404
Species: Rabbit
Duration: 4 hours

Product/substance Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
Species: Rabbit
Result: Adverse effect observed (Irritating)

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method: OECD 404
Species: Rabbit
Result: No adverse effect observed (Not irritating)

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 404
Species: Rabbit
Result: Adverse effect observed (Irritating)

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

Serious eye damage/irritation

Product/substance isopropyl alcohol
Species: Rabbit
Result: Adverse effect observed (Irritating)

Product/substance isopropyl alcohol
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Causes serious eye damage)

Product/substance Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
Species: Rabbit
Result: Adverse effect observed (Moderately irritating)

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method: OECD 405
Result: Adverse effect observed (Irritating)

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 405
Species: Rabbit
Result: Adverse effect observed (Irritating)

Causes serious eye irritation.

▼Respiratory sensitisation

Product/substance isopropyl alcohol
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Description: 3 mg/L

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

▼Skin sensitisation

Product/substance isopropyl alcohol
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

Product/substance Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Result: No adverse effect observed (not sensitising)

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

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

▼Germ cell mutagenicity

Product/substance isopropyl alcohol
Conclusion: No adverse effect observed

Product/substance Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
Test method: OECD 471
Species: Bacteria
Conclusion: No adverse effect observed

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Conclusion: No adverse effect observed

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 473
Conclusion: No adverse effect observed

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 471
Species: Bacteria
Conclusion: No adverse effect observed

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 476
Conclusion: No adverse effect observed

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 474
Species: Mouse, male
Conclusion: No adverse effect observed

Product/substance
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve
Test method: OECD 474
Species: Rat, Fischer 344, male
Conclusion: No adverse effect observed

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

▼Carcinogenicity

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

▼Reproductive toxicity

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Conclusion: No adverse effect observed

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

STOT-single exposure

Product/substance isopropyl alcohol
Route of exposure: Oral

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Conclusion: No adverse effect observed

May cause drowsiness or dizziness.

▼STOT-repeated exposure

Product/substance 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Conclusion: No adverse effect observed

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

▼Aspiration hazard

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

▼Symptoms related to the physical, chemical and toxicological characteristics

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

11.2. Information on other hazards

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

isopropyl alcohol has been classified by IARC as a group 3 carcinogen.
2-butoxyethanol; ethylene glycol monobutyl ether;2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼Toxicity

Product/substance	isopropyl alcohol
Species:	Fish, Goudwinde (Leuciscus idus)
Duration:	48 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	isopropyl alcohol
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	isopropyl alcohol
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	isopropyl alcohol
Species:	Fish
Test:	LC50
Result:	10000 mg/L

Product/substance	isopropyl alcohol
Species:	Daphnia, Daphnia magna
Duration:	24 hours
Test:	LC50
Result:	>10000 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 203
Species:	Fish, Lepomis macrochirus
Duration:	96 hours
Test:	LC50
Result:	1300 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 201
Species:	Algae, Scenedesmus subspicatus
Duration:	96 hours
Result:	>100 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50

Result:	>100 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	96 hours
Test:	ErC50
Result:	> 100 mg/L

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Test method:	OECD 209
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC10
Result:	> 1995 mg/L

Product/substance	2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	140 mg/L

Product/substance	2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Result:	145 mg/L

Product/substance	2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	ErC50
Result:	198.3 mg/L

Product/substance	2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol
Test method:	OECD 209
Duration:	30 minutes
Test:	EC20
Result:	750 mg/L

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

12.2. ▼Persistence and degradability

Product/substance	isopropyl alcohol
Result:	95%
Conclusion:	Readily biodegradable
Test:	OECD 301 E

Product/substance	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
Conclusion:	Readily biodegradable
Test:	OECD 302 B

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Result:	85 %
Conclusion:	Readily biodegradable
Test:	OECD 301 C

Product/substance	2-hexyloxyethanol;ethylene glycol monohexyl ether;n-hexylglycol
Result:	96,8 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

12.3. Bioaccumulative potential

Product/substance	isopropyl alcohol
BCF:	<100
LogKow:	<3
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

20 01 29* Detergents containing dangerous substances

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR/ADN/RID	UN1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 1 L Tunnel restriction code: (D/E) See below for additional information.

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
IMDG	UN1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 1 L EmS: F-E S-D See below for additional informatio n.
IATA	UN1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	See below for additional informatio n.

* Packing group

** Environmental hazards

▼**Additional information**

ADR/ADN/RID / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

Hazchem Code: ●2YE

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

▼*Restrictions for application:*

Restricted to professional and industrial use.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:

Not applicable.

▼*UK-REACH, Annex XVII:*

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether is subject to restrictions, UK-REACH annex XVII (entry 55).

isopropyl alcohol is subject to UK-REACH restrictions (entry 40).

Additional information:

Not applicable.

Sources:

The Health and Safety at Work etc. Act 1974 Regulations 2013.
Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.
H302, Harmful if swallowed.
H311, Toxic in contact with skin.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H331, Toxic if inhaled.
H336, May cause drowsiness or dizziness.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en