



NIELSEN

SAFETY DATA SHEET CRYSTAL BRITE FOAM

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

1.1. Product identifier

Product name CRYSTAL BRITE FOAM

Product number A5216

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

Identified uses Glass cleaner.

1.3. Details of the supplier of the safety data sheet

Supplier NIELSEN CHEMICALS
RAWDON ROAD
MOIRA
SWADLINCOTE
DERBYSHIRE
DE12 6DA
info@nielsenchemicals.com
TEL: +44 (0) 1283 222277
FAX: +44 (0) 1283 550621

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Aerosol 1 - H222, H229

Health hazards Not Classified

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) F+;R12.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated

CRYSTAL BRITE FOAM

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P260 Do not breathe spray.

P271 Use only outdoors or in a well-ventilated area.

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

Contains HYDROCARBON PROPELLANT

Detergent labelling 5 - < 15% aliphatic hydrocarbons

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-BUTOXYETHANOL	1-5%
CAS number: 111-76-2	EC number: 203-905-0
	REACH registration number: 01-2119475108-36
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	
HYDROCARBON PROPELLANT	1-5%
CAS number: 68476-85-7	EC number: 270-704-2
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220	F+;R12.
Press. Gas, Liquefied - H280	
PROPAN-2-OL	1-5%
CAS number: 67-63-0	EC number: 200-661-7
	REACH registration number: 01-2119457558-25-xxxx
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
STOT SE 3 - H336	

CRYSTAL BRITE FOAM

SODIUM NITRITE <1%		
CAS number: 7632-00-0	EC number: 231-555-9	REACH registration number: 01-2119471836-27-xxxx
M factor (Acute) = 1		
Classification		Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 3 - H272		O;R8 T;R25 N;R50
Acute Tox. 3 - H301		
Eye Irrit. 2 - H319		
Aquatic Acute 1 - H400		
AMMONIA <1%		
CAS number: 1336-21-6	EC number: 215-647-6	REACH registration number: 01-21194886-14
M factor (Acute) = 1		
Classification		Classification (67/548/EEC or 1999/45/EC)
Skin Corr. 1B - H314		C;R34 N;R50
STOT SE 3 - H335		
STOT SE 3 - H335		
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		

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

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

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

Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritation of eyes and mucous membranes.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

CRYSTAL BRITE FOAM

Specific hazards	Extremely flammable aerosol. Pressurised container: may burst if heated
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Avoid inhalation of vapours and contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Avoid contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from heat, sparks and open flame. Store at temperatures between 4°C and 40°C.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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

HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

CRYSTAL BRITE FOAM

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

DNEL	<p>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</p>
PNEC	<p>- Fresh water; 8.8 mg/l - Marine water; 0.88 mg/l - Sediment (Freshwater); 8.14 mg/kg - Soil; 2.8 mg/kg - STP; 463 mg/l</p>

PROPAN-2-OL (CAS: 67-63-0)

DNEL	<p>Industry - Dermal; Long term systemic effects: 888 mg/kg/day Industry - Inhalation; Long term systemic effects: 500 mg/m³ Consumer - Dermal; Long term systemic effects: 319 mg/kg/day Consumer - Oral; Long term systemic effects: 26 mg/kg/day Consumer - Inhalation; Long term systemic effects: 89 mg/m³</p>
PNEC	<p>- Fresh water; 140.9 mg/l - Marine water; 140.9 mg/l - Intermittent release; 140.9 mg/l - Sediment (Freshwater); 552 mg/kg - Sediment (Marinewater); 552 mg/kg - STP; 2251 mg/l - Soil; 28 mg/kg</p>

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

CRYSTAL BRITE FOAM

Appearance	Aerosol.
Colour	Colourless.
Odour	Mild.
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	No information required.
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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	Avoid heat, flames and other sources of ignition.
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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

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	35,123.92953488
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Acute toxicity - dermal

ATE dermal (mg/kg)	21,323.80601774
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Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	221.28477943
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Inhalation	Vapours may cause drowsiness and dizziness.
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Ingestion	Gastrointestinal symptoms, including upset stomach.
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Skin contact	Repeated exposure may cause skin dryness or cracking.
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Eye contact	Irritation of eyes and mucous membranes.
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Toxicological information on ingredients.

2-BUTOXYETHANOL

Acute toxicity - oral

CRYSTAL BRITE FOAM

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

HYDROCARBON PROPELLANT

Toxicological effects No information available.

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ vapours mg/l) 20.01

Species Rat

ATE inhalation (vapours
mg/l) 20.01

Reproductive toxicity

Reproductive toxicity -
development No information available.

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,700.0

Species Rat

ATE oral (mg/kg) 4,700.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 16.4

Species Rabbit

SODIUM NITRITE

Acute toxicity - oral

CRYSTAL BRITE FOAM

Acute toxicity oral (LD₅₀ mg/kg)	180.0
Species	Rat
ATE oral (mg/kg)	180.0

AMMONIA**Reproductive toxicity**

Reproductive toxicity - fertility	Fertility: - NOAEL 408 , ,
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SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

Ecological information on ingredients.**PROPAN-2-OL**

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.**2-BUTOXYETHANOL**

Acute toxicity - fish	LC ₅₀ , 96 hours: 820 - 1490 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 835 - 1550 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 1840 mg/l, Algae

HYDROCARBON PROPELLANT

Acute toxicity - fish Not determined.

PROPAN-2-OL

Toxicity	Not considered toxic to fish.
Acute toxicity - fish	LC ₅₀ , 96 hours, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , : 9714 mg/l, Daphnia magna EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours, 72 hours: > 100 mg/l, Scenedesmus subspicatus IC ₅₀ , 72 hours: >100 mg/l, Algae

SODIUM NITRITE**Acute aquatic toxicity**

CRYSTAL BRITE FOAM

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 48 hours, 48 hours: 360 mg/l, Leuciscus idus (Golden orfe) LC ₅₀ , 96 hours, 96 hours: 0.54-26.3 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	NOEC, : 9.86 mg/l, Daphnia magna EC ₅₀ , 48 hours: 15.4 mg/l, Daphnia magna
Chronic toxicity - aquatic invertebrates	NOEC, : 9.86 mg/l, Daphnia magna

AMMONIA

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.89 ml/l / Freshwater fish mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 96 hours, 96 hours: 101 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

2-BUTOXYETHANOL

Persistence and degradability The product is readily biodegradable.

PROPAN-2-OL

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

2-BUTOXYETHANOL

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

PROPAN-2-OL

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

CRYSTAL BRITE FOAM

PROPAN-2-OL

Mobility The product is soluble in water.

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.

Ecological information on ingredients.

2-BUTOXYETHANOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

PROPAN-2-OL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

PROPAN-2-OL

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

CRYSTAL BRITE FOAM

IMDG class 2.1

ICAO class/division 2.1

Transport labels



14.4. Packing group

ADR/RID packing group 5F

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

Tunnel restriction code (D)

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.
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).

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 24/06/2015

Revision 1.4

Supersedes date 25/04/2014

Risk phrases in full R11 Highly flammable.
R12 Extremely flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R67 Vapours may cause drowsiness and dizziness.

CRYSTAL BRITE FOAM

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

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.