

HUNTSMAN

BUILDING SOLUTIONS

SAFETY DATA SHEET FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name FOAMLOK 2001 4G
Product number FOAMLOK 2001 4G

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

Identified uses Component of a Polyurethane System.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Huntsman Building Solutions (HBS)
Station Road, Roydon, King's Lynn, Norfolk, PE32 1AW, United Kingdom
Telephone: +44 (0)1485 500668
Email: info@demilecuk.com
E-mail address of person responsible for the SDS sds-records@ifs-group.com

1.4. Emergency telephone number

Emergency telephone +44 (0)7795 093 276, +44 (0)7592 112 443

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Eye Irrit. 2 - H319
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Supplemental label information	<p>EUH208 Contains 1,2-Dimethylimidazole, Dibutylbis(dodecylthio)stannane. May produce an allergic reaction.</p>

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

Ethylenediamine, propoxylated	10-30%
CAS number: 25214-63-5 EC number: 500-035-6 REACH registration number: 01-2119471485-32-XXXX	
Classification	
Eye Irrit. 2 - H319	
(1E)-1-Chloro-3,3,3-trifluoroprop-1-ene	10-30%
CAS number: 102687-65-0 EC number: 700-486-0 REACH registration number: 01-2119855084-38-XXXX	
Classification	
Press. Gas (Liq.) - H280 Aquatic Chronic 3 - H412	
Reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and Phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl ester and Phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester	5-10%
CAS number: — EC number: 911-815-4 REACH registration number: 01-2119486772-26-XXXX	
Classification	
Acute Tox. 4 - H302	

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Triethyl phosphate 5-10%		
CAS number: 78-40-0	EC number: 201-114-5	REACH registration number: 01-2119492852-28-XXXX
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319		
2,2'-Oxydiethanol 1-5%		
CAS number: 111-46-6	EC number: 203-872-2	REACH registration number: 01-2119457857-21-XXXX
Classification Acute Tox. 4 - H302		
Diethylmethylbenzenediamine 1-5%		
CAS number: 68479-98-1	EC number: 270-877-4	REACH registration number: 01-2119486805-25-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Eye Irrit. 2 - H319 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Halogenated polyetherpolyol B 350 1-5%		
CAS number: 68441-62-3	EC number: 614-503-3	REACH registration number: 01-2119533103-55-XXXX
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319		

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

1,2-Dimethylimidazole 1-5%		
CAS number: 1739-84-0	EC number: 217-101-2	REACH registration number: 01-2119977103-39-XXXX
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1B - H317		
Cyclohexyldimethylamine <1%		
CAS number: 98-94-2	REACH registration number: 01-2119533030-60-XXXX	
Classification Flam. Liq. 3 - H226 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411		
Ethane-1,2-diol <1%		
CAS number: 107-21-1	EC number: 203-473-3	REACH registration number: 01-2119456816-28-XXXX
Classification Acute Tox. 4 - H302 STOT RE 2 - H373		

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Dibutylbis(dodecylthio)stannane			<1%
CAS number: 1185-81-5	EC number: 214-688-7	REACH registration number: 01-2119841260-50-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification			
Acute Tox. 4 - H312			
Skin Irrit. 2 - H315			
Skin Sens. 1 - H317			
Muta. 2 - H341			
Repr. 1B - H360FD			
STOT RE 1 - H372			
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	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
Skin contact	Rinse with water.
Eye contact	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause discomfort.
Eye contact	Irritating to eyes.

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

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class Miscellaneous hazardous material 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

2,2'-Oxydiethanol

Long-term exposure limit (8-hour TWA): WEL 23 ppm 101 mg/m³

Halogenated polyetherpolyol B 350

Long-term exposure limit (8-hour TWA): WEL 0.32 ppm 6.0 mg/m³

Ethane-1,2-diol

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour

Sk

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Sk

Dibutylbis(dodecylthio)stannane

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

Short-term exposure limit (15-minute): WEL 0.2 mg/m³

as Sn

Sk

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.

Ethylenediamine, propoxylated (CAS: 25214-63-5)

DNEL	Workers - Inhalation; Long term systemic effects: 35.2 mg/m ³
	Workers - Dermal; Long term systemic effects: 5 mg/kg/day
	General population - Inhalation; Long term systemic effects: 10.4 mg/m ³
	General population - Dermal; Long term systemic effects: 3 mg/kg/day
	General population - Oral; Long term systemic effects: 3 mg/kg/day
PNEC	Fresh water; 0.085 mg/l
	marine water; 0.009 mg/l
	STP; 70 mg/l
	Sediment (Freshwater); 0.193 mg/kg
	Sediment (Marinewater); 0.019 mg/kg
	Soil; 0.018 mg/kg

(1E)-1-Chloro-3,3,3-trifluoroprop-1-ene (CAS: 102687-65-0)

DNEL	Workers - Inhalation; Long term systemic effects: 1,779 mg/m ³
	General population - Inhalation; Long term systemic effects: 379 mg/m ³
	General population - Oral; Long term systemic effects: 109 mg/kg bw/day
PNEC	Fresh water; 38 µg/l
	Intermittent release; 380 µg/l
	marine water; 3.8 µg/l
	Sediment (Freshwater); 691 µg/kg dwt
	Sediment (Marinewater); 69.1 µg/kg dwt
	Soil; 126 µg/kg dwt

Reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and Phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl ester and Phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

DNEL	Consumer - Oral; Long term systemic effects: 0.52 mg/kg bw/day
	Workers - Inhalation; Short term systemic effects: 22.4 mg/m ³
	Workers - Inhalation; Long term systemic effects: 5.82 mg/m ³
	Consumer - Inhalation; Short term systemic effects: 11.2 mg/m ³
	Consumer - Inhalation; Long term systemic effects: 1.46 mg/m ³
	Workers - Dermal; Short term systemic effects: 8 mg/kg bw/day
	Workers - Dermal; Long term systemic effects: 2.08 mg/kg bw/day
	Consumer - Dermal; Short term systemic effects: 4 mg/kg bw/day
	Consumer - Dermal; Long term systemic effects: 1.04 mg/kg bw/day

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

PNEC

Soil; 1.7 mg/kg dwt
 STP; 7.84 mg/l
 Sediment; 13.4 mg/kg dwt
 Sediment (Marinewater); 1.34 mg/kg dwt
 marine water; 0.064 mg/l
 Fresh water; 0.64 mg/l

Triethyl phosphate (CAS: 78-40-0)

DNEL

Consumer - Oral; Short term systemic effects: 10 mg/kg bw/day
 Consumer - Oral; Long term systemic effects: 1.25 mg/kg bw/day
 Consumer - Dermal; Short term systemic effects: 10.0 mg/kg bw/day
 Consumer - Dermal; Long term systemic effects: 1.25 mg/kg bw/day
 Consumer - Inhalation; Short term systemic effects: 17.36 mg/m³
 Consumer - Inhalation; Long term systemic effects: 2.17 mg/m³
 Workers - Dermal; Short term systemic effects: 26.6 mg/kg bw/day
 Workers - Dermal; Long term systemic effects: 3.33 mg/kg bw/day
 Workers - Inhalation; Short term systemic effects: 93.6 mg/m³
 Workers - Inhalation; Long term systemic effects: 11.7 mg/m³

PNEC

Soil; 0.596 mg/kg dwt
 STP; 298.5 mg/l
 marine water; 0.0632 mg/l
 Sediment (Freshwater); 4.83 mg/kg dwt
 Fresh water; 0.632 mg/l

2,2'-Oxydiethanol (CAS: 111-46-6)

DNEL

Workers - Inhalation; Long term local effects: 60 mg/m³
 Workers - Dermal; Long term systemic effects: 43 mg/kg bw/day
 General population - Inhalation; Long term systemic effects: 12 mg/m³
 General population - Inhalation; Long term local effects: 12 mg/m³
 General population - Dermal; Long term systemic effects: 21 mg/kg bw/day

PNEC

Fresh water; 10 mg/l
 Intermittent release; 10 mg/l
 marine water; 1 mg/l
 STP; 199.5 mg/l
 Sediment (Freshwater); 20.9 mg/kg dwt
 Sediment (Marinewater); 2.09 mg/kg dwt
 Soil; 1.53 mg/kg dwt

Sucrose, propoxylated (CAS: 9049-71-2)

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

DNEL Consumer - Oral; Long term systemic effects: 8.3 mg/kg
 Consumer - Inhalation; Long term systemic effects: 29 mg/m³
 Workers - Dermal; Long term systemic effects: 13.9 mg/kg
 Workers - Inhalation; Long term systemic effects: 98 mg/m³
 Consumer - Dermal; Long term systemic effects: 8.3 mg/kg

PNEC Fresh water; 0.2 mg/l
 marine water; 0.02 mg/l
 Intermittent release; 1 mg/l
 Sediment (Freshwater); 0.543 mg/kg
 Sediment (Marinewater); 0.0543 mg/kg
 Soil; 0.0745 mg/kg
 STP; 1,000 mg/l

Diethylmethylenediamine (CAS: 68479-98-1)

DNEL Workers - Inhalation; Long term systemic effects: 130 µg/m³
 Workers - Dermal; Long term systemic effects: 1 mg/kg bw/day
 General population - Inhalation; Long term systemic effects: 100 µg/m³
 General population - Dermal; Long term systemic effects: 1 mg/kg bw/day
 General population - Oral; Long term systemic effects: 100 µg/kg bw/day

PNEC Fresh water; 500 ng/l
 Intermittent release; 5 µg/l
 marine water; 50 ng/l
 STP; 17 mg/l
 Sediment (Freshwater); 29 µg/kg dwt
 Sediment (Marinewater); 2.9 µg/kg dwt
 Soil; 5.6 µg/kg dwt

Halogenated polyetherpolyol B 350 (CAS: 68441-62-3)

DNEL Workers - Dermal; Long term systemic effects: 0.87 mg/kg
 Workers - Inhalation; Long term systemic effects: 6.0 mg/m³
 General population - Oral; Long term systemic effects: 0.435 mg/kg bw/day
 General population - Inhalation; Long term systemic effects: 1.5 mg/m³

PNEC Fresh water; 0.52 mg/l
 marine water; 0.052 mg/l
 Sediment (Freshwater); 2.6 mg/kg
 Sediment (Marinewater); 0.26 mg/kg
 Soil; 0.215 mg/kg
 STP; 1 mg/l
 Intermittent release; 5.2 mg/l

1,2-Dimethylimidazole (CAS: 1739-84-0)

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

DNEL Workers - Inhalation; Long term systemic effects: 4.4 mg/m³
Workers - Dermal; Long term systemic effects: 2.5 mg/kg bw/day
Workers - Dermal; Long term local effects: 135 µg/cm²

PNEC Fresh water; 58.1 µg/l
Intermittent release; 581 µg/l
marine water; 5.81 µg/l
STP; 300 µg/l
Sediment (Freshwater); 4.8 mg/kg dwt
Sediment (Marinewater); 480 µg/kg dwt
Soil; 924 µg/kg dwt

Ethane-1,2-diol (CAS: 107-21-1)

DNEL Workers - Inhalation; Long term local effects: 35 mg/m³
Workers - Dermal; Long term systemic effects: 106 mg/kg bw/day
General population - Inhalation; Long term local effects: 7 mg/m³
General population - Dermal; Long term systemic effects: 53 mg/kg bw/day

PNEC Fresh water; 10 mg/l
Intermittent release; 10 mg/l
marine water; 1 mg/l
STP; 199.5 mg/l
Sediment (Freshwater); 37 mg/kg dwt
Sediment (Marinewater); 3.7 mg/kg dwt
Soil; 1.53 mg/kg dwt

1,1,3,3-Tetramethylguanidine (CAS: 80-70-6)

DNEL Workers - Inhalation; Long term systemic effects: 1.2 mg/m³
Workers - Dermal; Long term systemic effects: 330 µg/kg bw/day
General population - Inhalation; Long term systemic effects: 300 µg/m³
General population - Dermal; Long term systemic effects: 170 µg/kg bw/day
General population - Oral; Long term systemic effects: 170 µg/kg bw/day

PNEC Fresh water; 100 µg/l
Intermittent release; 1 mg/l
marine water; 10 µg/l
STP; 1.7 mg/l
Sediment (Freshwater); 640 µg/kg dwt
Sediment (Marinewater); 64 µg/kg dwt
Soil; 69.1 µg/kg dwt

Succinic acid (CAS: 110-15-6)

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

DNEL	<p>Workers - Inhalation; Long term systemic effects: 10 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 10 mg/m³</p> <p>Workers - Inhalation; Long term local effects: 10 mg/m³</p> <p>Workers - Inhalation; Short term local effects: 10 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 71 mg/kg bw/day</p> <p>Workers - Dermal; Short term systemic effects: 67 mg/kg bw/day</p> <p>General population - Inhalation; Long term systemic effects: 10 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 10 mg/m³</p> <p>General population - Inhalation; Long term local effects: 10 mg/m³</p> <p>General population - Inhalation; Short term local effects: 10 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 43 mg/kg bw/day</p> <p>General population - Dermal; Short term systemic effects: 67 mg/kg bw/day</p> <p>General population - Oral; Long term systemic effects: 43 mg/kg bw/day</p> <p>General population - Oral; Short term systemic effects: 67 mg/kg bw/day</p>
PNEC	<p>Fresh water; 100 µg/l</p> <p>Intermittent release; 1 mg/l</p> <p>marine water; 10 µg/l</p> <p>STP; 3 mg/l</p> <p>Sediment (Freshwater); 79 µg/kg dwt</p> <p>Sediment (Marinewater); 7.9 µg/kg dwt</p> <p>Soil; 17.7 µg/kg dwt</p>
<u>Glutaric acid (CAS: 110-94-1)</u>	
DNEL	<p>Workers - Inhalation; Long term systemic effects: 11.52 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 69.12 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 3.27 mg/kg bw/day</p> <p>Workers - Dermal; Short term systemic effects: 19.6 mg/kg bw/day</p> <p>General population - Inhalation; Long term systemic effects: 2.84 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 17.04 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 1.63 mg/kg bw/day</p> <p>General population - Dermal; Short term systemic effects: 9.8 mg/kg bw/day</p> <p>General population - Oral; Long term systemic effects: 1.63 mg/kg bw/day</p> <p>General population - Oral; Short term systemic effects: 9.8 mg/kg bw/day</p>
PNEC	<p>Fresh water; 120 µg/l</p> <p>Intermittent release; 1.2 mg/l</p> <p>marine water; 12 µg/l</p> <p>Sediment (Freshwater); 97 µg/kg dwt</p> <p>Sediment (Marinewater); 9.7 µg/kg dwt</p> <p>Soil; 2.2 µg/kg dwt</p>
<u>1-methylimidazole (CAS: 616-47-7)</u>	
DNEL	<p>Workers - Inhalation; Long term systemic effects: 7.9 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 2.25 mg/kg bw/day</p>

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

PNEC

Fresh water; 100 µg/l
 Intermittent release; 1 mg/l
 marine water; 10 µg/l
 STP; 589.6 mg/l
 Sediment (Freshwater); 4.43 mg/kg dwt
 Sediment (Marinewater); 443 µg/kg dwt
 Soil; 825 µg/kg dwt

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

No specific hand protection recommended. Avoid contact with skin.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Amber.
Odour	Not known.
Odour threshold	No information available.
pH	No information available.

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	> 60°C Setaflash closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.19 @ 20°C
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	400 mPa s @ 25°C
Explosive properties	No information available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not known.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

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

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.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

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

ATE oral (mg/kg) 3,335.54

Acute toxicity - dermal

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

ATE dermal (mg/kg) 23,885.71

Acute toxicity - inhalation

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

ATE inhalation (vapours mg/l) 333.33

Skin corrosion/irritation

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

Serious eye damage/irritation

Summary Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

IARC carcinogenicity None of the ingredients are listed or exempt.

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

A single exposure may cause the following adverse effects: Temporary irritation.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause discomfort.

Eye contact

Irritating to eyes.

Route of exposure

Ingestion Inhalation Skin and/or eye contact

Target organs

No specific target organs known.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

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

Chronic aquatic toxicity

Summary Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility No data available.

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.

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Do not empty into drains.

SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

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 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

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. 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).
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV)	Not applicable.
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	Not applicable.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Abbreviations and acronyms used in the safety data sheet	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LC₅₀: Lethal Concentration to 50 % of a test population.</p> <p>LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC₅₀: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Classification abbreviations and acronyms	<p>Eye Irrit. = Eye irritation</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>
Classification procedures according to Regulation (EC) 1272/2008	<p>Eye Irrit. 2 - H319: : Calculation method. Aquatic Chronic 3 - H412: : Calculation method.</p>
Training advice	<p>Only trained personnel should use this material.</p>
Revision date	18/12/2020
Revision	3
Supersedes date	16/10/2020
SDS number	963

HUNTSMAN

BUILDING SOLUTIONS

FOAMLOK 2001 4G

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Hazard statements in full

H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
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.
H341 Suspected of causing genetic defects.
H360FD May damage fertility. May damage the unborn child.
H372 Causes damage to organs (Thymus) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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.