

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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FLAMECHECK PLUS

 Revision 16
 Revision date 2023-10-04

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

1.1. Product identifier

Product name | FLAMECHECK PLUS

1.3. Details of the supplier of the safety data sheet

Company	██████████
Address	████████████████████ ████████████████████ ████████████████████
Web	████████████████████
Telephone	0333 014 2099
Email	H&S@flamecheck.co.uk
Email address of the competent person	H&S@flamecheck.co.uk

1.4. Emergency telephone number

Emergency telephone number	0333 014 2099
Company	██████████ Mon - Fri 10.00am - 5.00 pm NPIS NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales) Email: sds.npis@nhs.net

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319; Repr. 1A: H360Fd; Lact.: H362; STOT RE 2: H373;
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2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

 Eye Irrit. 2: H319 - Causes serious eye irritation.
 Repr. 1A: H360Fd - May damage fertility. Suspected of damaging the unborn child.
 Lact.: H362 - May cause harm to breast-fed children.
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .

 Precautionary Statement:
 Prevention

 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P263 - Avoid contact during pregnancy/while nursing.

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2.2. Label elements

Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ammonium bromide		12124-97-9	235-183-8		1 - 10%	Eye Irrit. 2: H319; STOT SE 3: H336; Repr. 1A: H360Fd; Lact.: H362; STOT RE 1: H372;
Diammonium Phosphate		7783-28-0	231-987-8		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
Ammonium Acetate		631-61-8			1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
Urea		57-13-6	200-315-5		1 - 10%	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Check for and remove any contact lenses. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash with soap and water.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Rinse mouth thoroughly. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

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

	Treat symptomatically and supportively.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion gases or combustion gases.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not let product contaminate subsoil.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Keep away from direct sunlight.
Suitable packaging	Keep only in the original container in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL: Derived no-effect level.


Exposure Pattern - Workers

Ammonium bromide	Long-term - inhalation - Systemic effects 4.935 mg/m ³
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Exposure Pattern - General population

Ammonium bromide	Long-term - inhalation - Systemic effects 0.87 mg/m ³
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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. A safe system of work should be in place to ensure workers who are pregnant or breast feeding do not come into direct contact with the product. Wash hands before breaks and at the end of work.
Eye / face protection	Approved safety goggles. Ensure eye bath is to hand.
Skin protection - Handprotection	Wear gloves with a suitable breakthrough time. Nitrile rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Avoid inhalation or skin contact. Pregnant women should strictly avoid inhalation or skin contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	= Liquid
Colour	= Clear/Light brown
Odour	= Characteristic
Odour threshold	No data available
pH	= 6
Melting point	No data available
Freezing Point	No data available
Initial boiling point	> 100 °C
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Density / Relative Density	Not applicable.
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	Not relevant
Solubility	Soluble in water

9.2. Other information

Pour point	No data available
Sublimation Point	No data available
Gas group	No data available
Conductivity	No data available
Surface tension	No data available
Specific gravity	= 1.1 g/cm ³
Bulk Density	Not applicable.
Softening point	No data available

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.4. Conditions to avoid

	Heat.
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10.5. Incompatible materials

	Strong acids. Strong oxidising agents. Strong bases.
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10.6. Hazardous decomposition products

	Will decompose at above 452° releasing poisonous and corrosive fumes HBr and NH ₃ .
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SECTION 11: Toxicological information

11.1 Information on hazard classes

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Causes eye irritation.

11.1.3. Hazard Information

	May damage fertility. Suspected of damaging the unborn child. May cause harm to breast-fed children.
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11.1.4. Toxicological Information

Ammonium bromide	Oral Rat LD50: 2000 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
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11.1.7. Information on likely routes of exposure

	Main route of exposure is via respiratory tract.
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.3. Bioaccumulative potential

Partition coefficient

	FLAMECHECK PLUS No data available	Urea <-1.73 log P
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations. 20 01 99 other fractions not otherwise specified. Recycling/reclamation of other inorganic materials.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7 Maritime Transport in bulk according to IMO instruments

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 2 - Hazard pictograms.
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Repr. 1A: H360Fd - May damage fertility. Suspected of damaging the unborn child. Lact.: H362 - May cause harm to breast-fed children. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Skin Irrit. 2: H315 - Causes skin irritation. STOT SE 3: H335 - May cause respiratory irritation.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
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