



SAFETY DATA SHEET

Brite Bio Laundry Powder

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

1.1. Product identifier

Trade name

Brite Bio Laundry Powder

Product no.

LMBRITEBIO

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

Relevant identified uses of the substance or mixture

Cleaning agent

Restricted to professional users.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Kitchenmaster NI Ltd

11 Comber Road,

BT8 8AN Belfast

United Kingdom

028 9081477 02890812881

sales@kitchenmaster-ni.com

E-mail

sales@kitchenmaster-ni.com

Revision

06/11/2024

SDS Version

1.0

Date of previous version

06/11/2024 (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 112 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".

Emergency contact number (Kitchenmaster): +44 (0)28 9081 4777 (8.30am - 5pm, Monday - Thursday; 8.30am - 4pm Friday)

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

Met. Corr. 1; H290, May be corrosive to metals.

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

May be corrosive to metals. (H290)
Causes severe skin burns and eye damage. (H314)

Precautionary statement(s)

General

-

Prevention

Do not breathe dust. (P260)
Wear eye protection/protective gloves/protective clothing. (P280)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Immediately call a POISON CENTER/doctor. (P310)

Storage

Store in a corrosion resistant container with a resistant inner liner. (P406)

Disposal

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

Hazardous substances

Sodium percarbonate
Disodium metasilicate

Additional labelling

Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

- 15% - 30%
 - Phosphates
- 5% - 15%
 - Oxygen-based bleaching Agents
- < 5%
 - Anionic surfactants
 - Non-ionic surfactants
 - Enzymes
 - Perfumes

2.3. Other hazards

Additional warnings

May form combustible dust concentrations in air.
Take action to prevent static discharges.
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
sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8	25-40%	Eye Irrit. 2, H319	

	UK-REACH: Index No.: 011-005-00-2			
Sodium percarbonate	CAS No.: 15630-89-4 EC No.: 239-707-6 UK-REACH: Index No.:	5-10%	Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	
Disodium metasilicate	CAS No.: 6834-92-0 EC No.: 229-912-9 UK-REACH: Index No.: 014-010-00-8	5-10%	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	
Alcohols, C12-14, ethoxylated propoxylated (ARADET N40)	CAS No.: 68439-51-0 EC No.: 614-484-1 UK-REACH: Index No.:	1-3%	Aquatic Chronic 3, H412	[19]
(2-methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2 UK-REACH: Index No.:	0.0001-0.0003%		[1]

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.

[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

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

High amounts of dust can cause coughing and general irritation of the respiratory airways.

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

IF exposed or concerned:

Get immediate 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

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Slowly decomposes at temperatures exceeding 50°C.

Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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:

Halogenated compounds

Sulphur oxides

Carbon oxides (CO / CO₂)

Some metal oxides

Sodium carbonate

Hydrogen peroxide

Oxygen.

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: 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

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

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.

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

May form combustible dust concentrations in air.

Take action to prevent static discharges.
 Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
 Avoid direct contact with the product.
 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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
 Powder trickling out onto the floor or onto other containers must be prevented.
 Avoid the suspension of dust in the air.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Use non-sparking tools.
 Store in a corrosion resistant container with a resistant inner liner.

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

No specific requirements

Incompatible materials

Metals
 Metal salts.
 Acids
 Organic material
 Strong oxidising 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

Diethyl phthalate
 Long term exposure limit (8 hours) (mg/m³): 5
 Short term exposure limit (15 minutes) (mg/m³): 10

(2-methoxymethylethoxy)propanol
 Long term exposure limit (8 hours) (ppm): 50
 Long term exposure limit (8 hours) (mg/m³): 308
 Annotations:
 Sk = Can be absorbed through the skin and lead to systemic toxicity.

Bornan-2-one
 Long term exposure limit (8 hours) (ppm): 2
 Long term exposure limit (8 hours) (mg/m³): 13
 Short term exposure limit (15 minutes) (ppm): 3
 Short term exposure limit (15 minutes) (mg/m³): 19

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

Diethyl phthalate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	7.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	15 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.6 mg/m ³
Long term – Systemic effects - Workers	Inhalation	10.56 mg/m ³
Long term – Systemic effects - General population	Oral	750 µg/kg bw/day

Disodium metasilicate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	740 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1.49 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.55 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.22 mg/m ³
Long term – Systemic effects - General population	Oral	740 µg/kg bw/day

sodium carbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	5 mg/m ³
Long term – Local effects - Workers	Inhalation	10 mg/m ³

PNEC

Diethyl phthalate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		12 µg/L
Freshwater sediment		137 µg/kg
Intermittent release (freshwater)		120 µg/L
Marine water		1.2 µg/L
Marine water sediment		13.7 µg/kg
Predators		33 mg/kg
Sewage treatment plant		2 mg/L
Soil		137 µg/kg

Disodium metasilicate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		7.5 mg/L
Intermittent release (freshwater)		7.5 mg/L
Marine water		1 mg/L
Sewage treatment plant		1 g/L

8.2. Exposure controls

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

General recommendations

When transferring the materials, dust clouds should be kept at an absolute minimum. Handling should be slow and deliberate. The materials should be transferred from one container to another using a non-sparking, conductive metal scoop.

When mixing the material with other dry ingredients, frictional heat should be avoided. The best type of mixer for a dry mixing operation is one that contains no moving parts, but rather affects a tumbling action, such as a conical blender. Introduction of an inert atmosphere in the blender is highly recommended since dust clouds are generated. All equipment must be well grounded.

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

Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.

It is recommended that all dust control equipment such as local exhaust ventilation contain an explosion suppression system.

Airborne gas and dust concentrations 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

emergency eyewash and showers are clearly marked.
Ensure that eyewash stations and safety showers are located within easy reach.

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

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment


Generally

Use only UKCA marked protective equipment.


Respiratory Equipment

Type	Class	Colour	Standards
Not required when used as intended.			


Skin protection

Work situation	Recommended	Type/Category	Standards	
In the event of a risk of splashing.	Chemical resistant clothing and shoes EN 943		EN 943	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Butyl	0,35	> 480	EN374-2, EN374-3, 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

Powder

Colour

Blue/ White

Odour / Odour threshold

Characteristic

pH

-

pH in solution

11-12 (2%)

Density (g/cm³)

No relevant or available data due to the nature of the product.

Kinematic viscosity

No information available as testing has not been completed.

Particle characteristics

No relevant or available data due to the nature of the product.

Phase changes

Melting point/Freezing point (°C)

No information available as testing has not been completed.

Softening point/range (°C)

Does not apply to solids.

Boiling point (°C)

No information available as testing has not been completed.

Vapour pressure

No relevant or available data due to the nature of the product.

Relative vapour density

Does not apply to solids.

Decomposition temperature (°C)

No information available as testing has not been completed.

Data on fire and explosion hazards

Flash point (°C)

Testing not relevant or not possible due to nature of the product.

Flammability (°C)

No relevant or available data due to the nature of the product.

Auto-ignition temperature (°C)

No information available as testing has not been completed.

Lower and upper explosion limit (% v/v)

Does not apply to solids.

Solubility

Solubility in water

Soluble

n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

9.2. Other information

Formation of explosible dust/air mixtures

Yes

Oxidizing properties

No information available as testing has not been completed.

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

Avoid the suspension of dust in the air.

10.5. Incompatible materials

Metals

Metal salts.

Acids

Organic material

Strong oxidising agents.

10.6. Hazardous decomposition products

Decomposition products may include, but are not limited to:

Sodium carbonate

Hydrogen peroxide

Oxygen.

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

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classifications that have been carried out using ATE (Acute Toxicity Estimate) calculation method, using LD50 or ATE figures provided by the raw material manufacturer.

Acute toxicity

Product/substance: sodium carbonate
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 2800 mg/kg

Product/substance: sodium carbonate
 Species: Rat
 Route of exposure: Dermal
 Test: LD50
 Result: >2000 mg/kg bw

Product/substance: sodium carbonate
 Species: Rat
 Route of exposure: Inhalation
 Test: LC50 (4 hours)
 Result: 2300 mg/m³

Product/substance: Sodium percarbonate
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 1034 mg/kg

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

Product/substance: Disodium metasilicate
 Species: Rat
 Route of exposure: Oral
 Test: LC50
 Result: 1152-1349 mg/kg

Product/substance: Disodium metasilicate
 Species: Rat
 Route of exposure: Inhalation
 Test: LC50 (4 hours)
 Result: > 2.06 g/m³

Product/substance: Disodium metasilicate
 Species: Rat
 Route of exposure: Dermal
 Test: LD50
 Result: > 5000 mg/kg

Product/substance: Alcohols, C12-14, ethoxylated propoxylated (ARADET N40)
 Route of exposure: Oral
 Test: LD50
 Result: >2000 mg/kg

Product/substance: (2-methoxymethylethoxy)propanol
 Species: Rat
 Route of exposure: Oral
 Test: LD50

Result: >4000 mg/kg

Product/substance (2-methoxymethylethoxy)propanol
 Species: Rabbit
 Route of exposure: Dermal
 Test: LD50
 Result: 9510 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

Product/substance Disodium metasilicate
 Species: Rat
 Route of exposure: Oral
 Test: NOAEL
 Result: 227 mg/kg bw/day

Product/substance Disodium metasilicate
 Species: Mouse
 Route of exposure: Oral
 Test: NOAEL
 Result: 260 mg/kg bw/day

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Endocrine disrupting properties

Product/substance Diethyl phthalate

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classifications that have been carried out using ATE (Acute Toxicity Estimate) calculation method, using LD50 or ATE figures provided by the raw material manufacturer.

Product/substance sodium carbonate
 Species: Fish, *Lepomis macrochirus*
 Duration: 96 hours
 Test: LC50
 Result: 300 mg/L

Product/substance	sodium carbonate
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	265 mg/L
Product/substance	Sodium percarbonate
Test method:	LC50
Species:	Fish, Pimephales promelas
Duration:	No data available.
Result:	70,7 mg/L
Product/substance	Sodium percarbonate
Test method:	EC50
Species:	Crustacean
Duration:	No data available.
Result:	4,9 mg/l
Product/substance	Disodium metasilicate
Species:	Fish, Brachydanio rerio
Duration:	96 hours
Test:	LC50
Result:	210 mg/L
Product/substance	Disodium metasilicate
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	1700 mg/L
Product/substance	Disodium metasilicate
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	207 mg/L
Product/substance	Disodium metasilicate
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	> 345.4 mg/L
Product/substance	Alcohols, C12-14, ethoxylated propoxylated(ARADET N40)
Test method:	DIN 38412
Species:	Fish, Leuciscus idus
Test:	LC50
Result:	>1 mg/L
Product/substance	Alcohols, C12-14, ethoxylated propoxylated(ARADET N40)
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Test:	EC50
Result:	>1 mg/L
Product/substance	Alcohols, C12-14, ethoxylated propoxylated(ARADET N40)
Test method:	OECD 209
Species:	Algae, Pseudomonas putida
Test:	EC0
Result:	>100 mg/L
Product/substance	(2-methoxymethylethoxy)propanol
Species:	Fish

Duration: 96 hours
 Test: LC50
 Result: 10 mg/L

Product/substance (2-methoxymethylethoxy)propanol
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: 1919 mg/L

Product/substance (2-methoxymethylethoxy)propanol
 Species: Algae
 Duration: 72 hours
 Test: IC50
 Result: 1000 mg/L

12.2. Persistence and degradability

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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

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

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 8 – Corrosive

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


Not applicable.



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 informatio n:
ADR	UN3253	DISODIUM TRIOXOSILICATE	Transport hazard class: 8 Label: 8 Classification code: C6 	III	No	Limited quantities: 5 kg Tunnel restriction code: (E)

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	UN3253 DISODIUM TRIOXOSILICATE	Transport hazard class: 8 Label: 8 Classification code: C6 	III	No	See below for additional information . Limited quantities: 5 kg EmS: F-A S-B See below for additional information .
IATA	UN3253 DISODIUM TRIOXOSILICATE	Transport hazard class: 8 Label: 8 Classification code: C6 	III	No	See below for additional information .

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.

ADR / 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: 2X

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 users.

People under the age of 18 shall not be exposed to this product.

Demands for specific education

No specific requirements.

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

Not applicable.

UK-REACH, Annex XVII

Bornan-2-one is subject to UK-REACH restrictions (entry 40).

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

- 15% - 30%
- Phosphates
- 5% - 15%
- Oxygen-based bleaching Agents
- < 5%
- Anionic surfactants
- Non-ionic surfactants
- Enzymes
- Perfumes

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

The Management of Health and Safety at Work Regulations 1999.
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

- H272, May intensify fire; oxidiser.
- H290, May be corrosive to metals.
- H302, Harmful if swallowed.
- H314, Causes severe skin burns and eye damage.
- H318, Causes serious eye damage.
- H319, Causes serious eye irritation.
- H335, May cause respiratory irritation.
- H412, Harmful to aquatic life with long lasting effects.

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

EcoOnline

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.

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