Product Brite Non-Bio Laundry Powder

Revision date 17 May 2021

Revision 2



Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name Brite Non-Bio Laundry Powder

Product no. LMBRITE

Other means of identification No information available.

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

Identified uses Cleaning agent.

For professional use only.

Uses advised againstNo uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd

11 Comber Road

Belfast BT8 8AN United Kingdom Tel: 028 90814777

Contact person sales@kitchenmaster-ni.com

1.4 Emergency telephone number

Emergency telephone Emergency Telephone Number: 028 9081 4777 08:30 – 17:00 Monday to Thursday 08:30 –

16:30 Friday

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards Me. Corr 1 - H290 Human health Skin Corr. 1B - H314 Environment Not classified

2.2 Label elements

Contains Disodium metasilicate pentahydrate

Detergent labeling ≥15% <30% Phosphates <5% anionic surfactants

<5% non-ionic surfactants

<5% oxygen-based bleaching agents

Label in accordance with (EC) no. 1272/2008



Signal word Danger

Hazard statements H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements

Prevention

P260 Do not breathe dust/fume/ gas/mist/vapours/spray.

 $P280\ Wear\ protective\ gloves/\ protective\ clothing/eye\ protection/face\ protection.$

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/ shower.

 $P305 + P351 + P338 \ IF \ IN \ EYES: Rinse \ cautiously \ with \ water for \ several \ minutes. \ Remove$

contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

None known.

Section 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
sodium carbonate	CAS-No.: 497-19-8 EC No.: 207-838-8 REACH Reg No.: 01-2119485498-19-XXXX	Eye Irrit.2A - H319	20-30%
disodium carbonate, compound with hydrogen peroxide (2:3)	CAS-No.: 15630-89-4 EC No.: 239-707-6	0x Sol 2- H272, Acute Tox 4 - H302, Eye Dam. 1 - H318	5-10%
Disodium metasilicate pentahydrate	CAS-No.: 10213-79-3 EC No.: 229-912-9 REACH Reg No.: 01-2119449811-37-XXXX	SE 3 - H335	5-10%
ALCOHOLS, C12-14, ETHOXYLATED, PROPOXYLATED	CAS-No.: 68439-51-0 EC No.: 614-484-1	Aquatic Chronic 3 - H412	1-5%
diethyl phthalate	CAS-No.: 84-66-2 EC No.: 201-550-6		0-1%
benzyl acetate	CAS-No.: 140-11-4 EC No.: 205-399-7	Aquatic Chronic 3 - H412	0-1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1 Description of first aid measures

General information As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical

attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue. Provide general first aid, rest, warmth

and fresh air.

Inhalation If inhaled, remove to fresh air. Keep person warm and at rest. If breathing is difficult, give

 $\ensuremath{\mathsf{oxygen}}.$ If not breathing, give artificial respiration and seek medical attention.

Ingestion If this product is ingested, remove victim immediately from source of exposure. Rinse mouth

thoroughly. Seek medical advice (show the label where possible). Never give anything by $\,$

mouth to an unconscious person. Do not induce vomiting.

Skin contact Remove affected person from source of contamination Remove contaminated clothing. In

case of skin contact flush exposed area with copious amounts of water. Continue to rinse for $% \left(1\right) =\left(1\right) \left(1\right) \left($

at least 15 minutes. Get medical attention if irritation develops or persists.

Eye contact Do not rub eye. Avoid contaminating unaffected eye. Rinse with a gentle stream water for at

least 15 minutes. Hold eye lids open. Remove contact lenses if present and easy to do so. Get

prompt medical attention.

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 May cause chemical burns in mouth and throat.

Ingestion

stomach pain or vomiting.

Skin contact Causes severe skin burns. Eye contact Causes severe eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. Water spray or CO2.

Unsuitable extinguishing media

Do not use dry chemicals or foams. High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products During fire, toxic gases (CO, CO2) are formed. May produce oxygen if heated to

decomposition.

Unusual fire & explosion hazards Slowly decomposes at temperatures exceeding 50°C forming sodium carbonate and

hydrogen peroxide. Dust clouds may be explosive.

Specific hazards Decomposition is accelerated by heat and may be accompanied by evolution of oxygen, which

may enhance the combustion of other flammable materials. Containers can burst violently

when heated, due to excess pressure build-up.

5.3 Advice for firefighters

Special fire fighting procedures Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. Avoid breathing

fire vapours. If possible, fight fire from protected position.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard

EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Eliminate all sources of ignition. Read and follow manufacturer's recommendations. Avoid

> prolonged or repeated exposure. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust or vapours and

contact with skin and eyes. Avoid raising powdered materials into airborne dust. For emergency responders

Follow safe handling advice and personal protective equipment recommendations for normal

use of product.

6.2 Environmental precautions

Environmental precautions Avoid release to the environment. Spillages or uncontrolled discharges into watercourses

must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory

body.

6.3 Methods and material for containment and cleaning up

Spill clean up methods Prevent further leakage or spillage if safe to do so. Ventilate and evacuate the area.

Eliminate all ignition sources. Wear necessary protective equipment. Wear respirator if ventilation is not adequate. Sweep/shovel up residues. Take care not to raise dust. Ensure that waste and contaminated materials are collected and removed from the work area as

soon as possible in a suitably labelled container.

6.4 Reference to other sections

Reference to other sections For waste disposal, see section 13. See section 1 for emergency contact. For personal

protection, see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling

Avoid inhalation of dust and contact with skin and eyes. Use personal protective equipment, see Section 8. Ensure good dust ventilation during handling. Wear appropriate respirator when ventilation is inadequate.

Keep away from heat, sparks and open flame. Keep away from flammable materials and incompatible substances. Avoid generation of dust clouds/accumulation of dust in work area. Never return spilled product into its original container for re-use. (Risk of decomposition).

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away

from incompatible materials (see section 10).

Chemical storage. Store separately from other chemicals. Storage class

7.3 Specific end use(s)

Specific end use(s) The identified uses are in section 1 of this Safety Data Sheet. Usage description Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

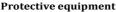
Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
diethyl phthalate	WEL		5 mg/m ³		10 mg/m ³	
benzyl acetate	OEL	10 ppm				

Ingredient comments

Ireland, Occupational Exposure Limits 2021.

WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.

8.2 Exposure Controls





Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If ventilation is inadequate, suitable respiratory protection must be worn. EN $136/140/145/143/149. \ The \ specific \ respirator \ selected \ must \ be \ based \ on \ contamination \ levels$ found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory protective components with combined A/P filter(s) for organic vapours/particulates. Consult manufacturer for specific advice.

Hand protection

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Gloves must be inspected prior to use. Suggested material: Butyl-rubber. Layer thickness: 0.11 mm.

Breakthrough time: >480 minutes. Consult manufacturer for advice.

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and

good laboratory practices.

Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN

Other protection

Body protection must be chosen in consultation with a specialist, depending on activity and possible exposure, e.g. apron, protective boots, chemical-protection suit (according to EN

 $14605\ \text{in}$ case of splashes or EN ISO 13982 in case of dust). The selected clothing must

satisfy the European norm standard EN 943.

Hygiene measures Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When

using do not eat, drink or smoke. Wash hands after use.

Process conditions Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Powder.

Colour White.

Odour Characteristic.

Odour threshold - lower No information available as testing has not been completed.

Odour threshold - upper No information available as testing has not been completed.

pH-Value, Conc. Solution Not applicable as the product is a diluted solution.

pH-Value, Diluted solution 11-12 (2% solution)

Melting point No information available as testing has not been completed.

Initial boiling point and boiling

range

No information available as testing has not been completed.

Flash point Non-Flammable

Evaporation rate No information available as testing has not been completed.

Flammability state Not applicable as the product is not flammable.

Flammability limit - lower(%) Not applicable as the product is not flammable.

Flammability limit - upper(%) Not applicable as the product is not flammable.

Vapour pressure No information available as testing has not been completed.

Vapour density (air=1) No information available as testing has not been completed.

Relative density No information available as testing has not been completed.

Bulk density No information available as testing has not been completed.

Solubility Soluble in water.

Decomposition temperature No information available as testing has not been completed.

Partition coefficient; n-

Octanol/Water

Not applicable as the product is a mixture.

Auto ignition temperature (°C) Not applicable as the product is not flammable.

Viscosity Not applicable as the product is a solid.

Explosive properties Danger of dust explosion.

Oxidising properties The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight Not applicable as the product is a mixture.

Volatile organic compound No information available as testing has not been completed.

Other information None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity Reactions may occur with strong oxidizing agents and acids. May be corrosive to metals.

Avoid generation of dust, which at sufficient concentrations can form explosive mixtures with

air.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions For information on hazardous reaction see section 10.1.

Hazardous polymerisationUnknownPolymerisation descriptionUnknown

10.4 Conditions to Avoid

Conditions to avoid Slowly decomposes at temperatures exceeding 50°C forming sodium carbonate and

hydrogen peroxide. Heat, sparks, open flames, temperature extremes and direct sunlight.

10.5 Incompatible materials

Materials to avoid Do not mix with other chemicals unless listed on directions. Contains SODIUM

PERCARBONATE: Avoid contact with metals, metallic ions, alkalis, reducing agents and organic matter (e.g. alcohol, terpenes) as this may produce self-accelerated thermal

decomposition. Strong oxidising substances. Strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products In case of fire, toxic gases (CO, CO2,) may be formed. When heated, vapours/gases

hazardous to health may be formed. Sodium carbonate. Hydrogen peroxide. Oxygen.

Section 11: Toxicological information

11.1 Information on hazard classses as defined in Regulation (EC) No. 1272/2008

Toxicological information No toxicological information for the overall finished product.

Acute toxicity (Oral LD50)

Acute toxicity (Dermal LD50)

Acute toxicity (Inhalation LD50)

No information available as testing has not been completed.

No information available as testing has not been completed.

No information available as testing has not been completed.

Serious eye damage/irritation Causes severe eye damage.

Skin corrosion/irritation The product is classified as a skin corrosion/irritation hazard.

Respiratory sensitisationThe product is not classified as a respiratory hazard.Skin sensitisationThe product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity The product is not classified as a mutagen.

Carcinogenicity The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:

STOT - Single exposure The product is not classified as a single exposure specific target organ toxin.

Specific target organ toxicity - Repeated exposure:

 $\textbf{STOT-Repeated exposure} \qquad \qquad \text{The product is not classified as a repeat exposure specific target organ toxin.}$

Inhalation May cause chemical burns in mouth and throat.

Ingestion May cause burns to mucous membranes, throat, esophagus and stomach. May cause

stomach pain or vomiting.

Skin contactCauses severe skin burns.Eye contactCauses severe eye damage.

Waste management When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

Routes of entry Eyes, skin, ingestion or inhalation.

Target organs Eyes, skin, digestive system, respiratory system.

Aspiration hazards: The product is not classified as an aspiration hazard. Reproductive toxicity: The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
Disodium metasilicate pentahydrate	1152.00mg/kg Rat	>5000.00mg/kg Rat	>2.06g/m3 Rat 4 Hours

11.2 Information on other hazards

Information on other hazards No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish No information available as testing has not been completed. Acute toxicity - Aquatic invertebrates No information available as testing has not been completed. **Acute toxicity - Aquatic plants** No information available as testing has not been completed. **Acute toxicity - Microorganisms** No information available as testing has not been completed. **Chronic toxicity - Fish** No information available as testing has not been completed. **Chronic toxicity - Aquatic** No information available as testing has not been completed.

invertebrates

Chronic toxicity - Aquatic plants No information available as testing has not been completed. **Chronic toxicity - Microorganisms** No information available as testing has not been completed.

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude

the possibility that large or frequent spills can have a harmful or damaging effect on the

environment.

Eco toxilogical information The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic

organisms.

12.2 Persistence and degradability

Degradability The degradability of the product has not been stated. Biological oxygen demand No information available as testing has not been completed. Chemical oxygen demand No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Bioaccumulation factor No information available as testing has not been completed.

Partition coefficient; n-

Octanol/Water

Not applicable as the product is a mixture.

12.4 Mobility in soil

Mobility Soluble in water.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties The product does not contain any substances with endocrine disrupting properties at a

concentration above or equal to 0.1%.

12.7 Other adverse effects

Other adverse effects None known.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Disodium metasilicate	LC50 96 Hours 210.00mg/l	EC50 48 Hours 1700.00mg/l Daphnia	EC50 72 Hours 207.00mg/l
pentahydrate	Brachydanio rerio (Zebra Fish)	magna	Scenedesmus Subspicatus

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

13.1 Waste treatment methods

Disposal methods Dispose of waste and residues in accordance with local authority requirements, and in

accordance with all local, national and international regulations. For waste disposal, use a

licensed industrial waste disposal agent.

Section 14: Transport information

14.1 UN number or ID number

 UN no. (ADR)
 UN3253

 UN no. (IMDG)
 UN3253

 UN no. (IATA)
 UN3253

14.2 UN proper shipping name

ADR proper shipping name
IMDG proper shipping name
IATA proper shipping name
DISODIUM TRIOXOSILICATE
DISODIUM TRIOXOSILICATE

14.3 Transport hazard class(es)

ADR class 8
IMDG class 8
IATA class 8

Transport labels



14.4 Packing group

ADR/RID/ADN packing group III
IMDG packing group III
IATA packing group III

14.5 Environmental hazards

ADR No IMDG No IATA No

14.6 Special precautions for user

EMS F-A, S-B
Emergency action code A803
Hazard no. (ADR) 80
Tunnel restriction code (E)

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

EU legislation 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals

REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

 $Chemicals \, (Health \, and \, Safety) \, and \, Genetically \, Modified \, Organisms \, (Contained \, Use)$

(Amendment etc.) (EU Exit) Regulations 2019.

Approved code of practice Workplace Exposure Limits Guidance Note EH40/2005.

(REACH).

2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens)

Regulations (2001-2019)

15.2 Chemical safety assessment

Chemical safety assessment No chemical safety assessment has been carried out.

Section 16: Other information

General information This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.

Revision commentsThis is a second issue. [1]Information updated. [2]Information updated. [3]Information

updated. [4]Information updated. [5]Information updated. [6]Information updated. [8]Information updated. [11]Information

updated. [12]Information updated. [14]Information updated. [15]Information updated.

Revision date 17 May 2021 **Supersedes date** 07 July 2017

Revision

Safety data sheet status Approved.

Hazard statements in full

H319	Causes serious eye irritation.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H290	May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H410 Very toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H228 Flammable solid. **H332** Harmful if inhaled.

 $\mbox{{\it H371}} \qquad \qquad \mbox{May cause damage to organs} \, .$

 ${\bf H361} \hspace{1.5cm} {\bf Suspected\ of\ damaging\ fertility\ or\ the\ unborn\ child\ }.$

H400 Very toxic to aquatic life.

Disclaimer

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.