



1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product identifiers Trade Name or designation	Egg Wash Powder Low Foam DP1150
1.2	Identification of Uses Uses advised against	Cleaners No specific uses are advised against.
1.3	Supplier Telephone No. Fax No. Email	Biolink Limited. Halifax Way Pocklington Ind. Est Pocklington York YO42 1NR +44 (0) 1759 303444 +44 (0) 1759 303158 info@biolinklimited.co.uk
1.4	Emergency Phone	+44 (0) 1280 738605 (office hours only)

2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EEC as amended
C, R34

Classification in accordance to EC 1272/2008 as amended

PHYSICAL HAZARDS

Not Classified

HEALTH HAZARDS

Skin Corrosive	Category 1	H314 Causes severe skin burns and eye damage
Eye Damage	Category 1	H318 Causes serious eye damage

ENVIRONMENTAL HAZARDS

Hazard summary

Physical hazards

Not Classified

Health hazards

Causes severe skin burns and eye damage

Environmental hazards

Not Classified

Specific hazards

No specific hazards noted.

Main symptoms

Burning pain and severe corrosive skin damage. Rash. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

2.2 Label elements

Label in accordance with EC 1272/2008 as amended

Contains PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS(SULPHATE)

Hazard pictograms



Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage

Precautionary statements

Prevention

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

Response

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage

P405 Store Locked up.

Disposal

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

Supplemental label information

EUH208 Contains dipotassium peroxodisulphate. May produce and allergic reaction.

2.3 Other hazards

Not known

3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS(SULPHATE)		10 - 20 %	
CAS-No.: 70693-62-8	EC No.: 274-778-7	EC Index No.:	Reach No.:
Classification (67/548/EEC) C, Xn, R22, R34, R52		Classification (EC 1272/2008) Acute Tox. 4 – H302 Skin Corr. 1B – H314 Eye Dam. 1 – H318 Aquatic Chr. 3 – H412	
SODIUM CARBONATE		5 - 10 %	
CAS-No.: 497-19-9	EC No.: 207-838-8	EC Index No.:	Reach No.:
Classification (67/548/EEC) Xi, R36		Classification (EC 1272/2008) Eye Irrit. 2 - H319	
c		0.5 – 0.9 %	

CAS-No.: 7727-21-1	EC No.: 231-781-8	EC Index No.: 016-061-00-1	Reach No.:
Classification (67/548/EEC) O, Xn, Xi, R8, R22, R42/43, R36/37/38		Classification (EC 1272/2008) Ox. Sol. 3 - H272 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4 - FIRST AID MEASURES

General Information

First aiders should wear suitable protective clothing.

4.1 Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Ingestion

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Skin contact

Remove contaminated clothing. Wash off with plenty of water. Consult a doctor if symptoms persist.

Eye contact

Remove contaminated clothing. Wash off with plenty of water. Consult a physician if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Burning and discomfort. Corrosive damage to the eyes, skin, nose, throat or gastrointestinal tract.

4.3 Indication of any immediate medical attention and special treatment needed

Rinse eye immediately with sterile saline solution.

Seek medical attention in case of ingestion, inhalation or contact with eyes.

5 - FIRE FIGHTING MEASURES

General Fire Hazards

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

Water spray, Dry powder, foam.

UNSUITABLE EXTINGUISHING MEDIA

None

5.2. Special hazards arising from the substance or mixture

UNUSUAL FIRE & EXPLOSION HAZARDS

In case of fire toxic gases may be released. (CO_x, NO_x, HCl).

SPECIFIC HAZARDS

None noted.

5.3. Advice for fire-fighters

SPECIAL FIRE FIGHTING PROCEDURES

Collect fire extinguishing water separately, do not allow to enter drains. Exceptionally large spillages should be notified to the appropriate authorities.

PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Wear self-contained breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures**
Keep unnecessary people away. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
- 6.2. Environmental precautions**
Do not let product enter drains. Discharge into the environment must be avoided. Appropriate authorities should be notified in case of contamination of sewerage or surface water.
- 6.3. Methods and material for containment and cleaning up**
Prevent further leakage or spillage if safe to do so. If possible contain the spillage with adsorbant material, place in a suitable container and dispose of as described in section 13 of this safety data sheet.
- 6.4. Reference to other sections**
Personal protection –section 8.
Disposal considerations –Section 13.

7 - HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Ensure good ventilation when using this product, avoid inhalation of vapours and spray. Handle with care and avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Follow instructions and ensure correct dilution of this product before use.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container
- 7.3 Specific end use(s)**
Powdered wash for eggs

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Component	CAS-No.	Value	Control Parameters	Basis
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	TWA	0.1 mg/m ³	Belgium VLEP/GWBB
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	TWA	2 mg/m ³	Denmark
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	STEL	4 mg/m ³	Denmark
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	TWA	0.1 mg/m ³	Hungary
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	TWA	0.1 mg/m ³	Poland - NDS
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	TWA	0.1 mg/m ³	Spain - Royal Decree 374/2001

Biological limit values

Recommended monitoring procedures
Follow standard monitoring procedures.

Derived no-effect level (DNEL)

SODIUM CARBONATE

Route	Use	Effect	Time	Value
Inhalation	Worker	Local Effects	Long Term	10 mg/m ³

Predicted no effect concentrations (PNECs)

Not available

8.2 Exposure controls**Appropriate Engineering controls**

No specific engineering measures are noted except that this product should be used in a well ventilated area.

Individual protection measures, such as personal protective equipment

In case of splashing where suitable protective equipment.

General information

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Respiratory equipment

Where risk assessment shows air-purifying respirators are appropriate use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator.

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.6 mm

Break through time: >480 min

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.2 mm

Break through time: >35 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection

In case of splashing, wear safety goggles or face shield.

Other protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke

Environmental exposure controls

Do not discharge into the watercourse or drains

9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance
 Physical State: Solid
 Form: Powder
 Solubility: Miscible in water

9.2. Other information
 Not known

10 - STABILITY AND REACTIVITY

- 10.1 Reactivity**
 Not expected under normal conditions of use
- 10.2 Chemical stability**
 Stable under normal temperature conditions
- 10.3 Possibility of hazardous reactions**
 Not expected under normal conditions of use
- 10.4 Conditions to avoid**
 Avoid exposure to high temperatures or direct sunlight
- 10.5 Incompatible materials**
 Materials to avoid -strong acids or alkalis. Oxidising agents.
- 10.6 Hazardous decomposition products**
 None, see section 5 for decomposition products under fire conditions

11 - TOXICOLOGICAL INFORMATION

General information

Information on likely routes of exposure

Inhalation

Burning pain and severe corrosive damage.

Skin contact

Burning pain and severe corrosive skin damage. Rash.

Eye contact

Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Ingestion

Burning pain and severe corrosive damage.

Symptoms

Burning pain and severe corrosive skin damage. Rash. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

11.1 Information on toxicological effects

Acute toxicity

SODIUM CARBONATE

Oral	LD50	2800 mg/kg/bw (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
Inhalation	LC50	2300 mg/kg (Rat)

Skin corrosion/irritation

SODIUM CARBONATE

OECD 404	Not irritating
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Serious eye damage/eye irritation

SODIUM CARBONATE

OECD 405	Irritating
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Respiratory sensitisation

Based on the available data not classified as a respiratory sensitiser.

Skin sensitisation

Based on the available data not classified as a skin sensitiser.

Germ cell mutagenicity

Based on the available data not classified as a mutagen.

Carcinogenicity

Based on the available data not classified as a carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

Reproductive toxicity

Based on the available data not classified as a reproductive toxicity.

Specific target organ toxicity - single exposure

Based on the available data not classified as a STOT SE

Specific target organ toxicity - repeated exposure

Based on the available data not classified as a STOT RE

Aspiration hazard

Based on the available data not classified as an aspiration hazard.

Mixture versus substance information

No data available.

Other information

Not known.

12 - ECOLOGICAL INFORMATION

12.1 Toxicity

SODIUM CARBONATE

Toxicity to fish	LC50 96 h	300 mg/l Freshwater fish
Toxicity to aquatic invertebrates	EC50 48 h	200-227 mg/l

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

Partition coefficient n-octanol/water (log Kow)

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements

Residual waste

Dispose of waste and residues in accordance with local authority requirements

Contaminated packaging

Dispose of as unused product.

EU Waste Code

02-01-09

Disposal methods/information

Wear protective equipment as outlined in section 8 of this safety data sheet when handling this product contaminated materials and packaging.

Special precautions

Not noted.

14 - TRANSPORT INFORMATION

Road Transport Notes

14.1 UN-number

ADR/RID: 3262

IMDG: 3262

IATA: 3262

14.2 UN proper shipping name

ADR/RID: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS(SULPHATE)

IMDG: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS(SULPHATE)

IATA: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. PENTAPOTASSIUM BIS (PEROXYMONOSULPHATE) BIS(SULPHATE)

14.3 Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

14.5 Environmental hazards

IMDG: Marine pollutant: No

14.6 Special precautions for users**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****Further information**

Limited quantities: 1 kg

Expected quantities: E2

Transport Category (Tunnel Restriction Code): 2 (E)

Hazard Identification Number: 80

15 - REGULATORY INFORMATION

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

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

15.2 Chemical Safety Assessment

National regulations Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

16 - OTHER INFORMATION

List of abbreviations

CO Carbon Monoxide
NO Nitrogen Oxide
HCL Hydrochloric acid
TWA Time weighted average
STEL Short Term exposure limit
DW Dry weight

References**Information on evaluation method leading to the classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

C Corrosive
Xn Harmful
Xi Irritant
R22 Harmful if swallowed
R34 Causes burns
R36 Irritating to eyes
R52 Harmful to aquatic organisms
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H319 Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405 Store Locked up.
P501 Dispose of contents/container in accordance with local regulations.

Training information Follow training instructions when handling this material.

Disclaimer

Biolink cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. The information in the sheet was written based on the best knowledge and experience currently available.