



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

1.1	Product identifiers	DP1228
	Trade Name or designation	Egg Wash Powder F
1.2	Identification of Uses	Cleaner
	Uses advised against	No specific uses are advised against.
1.3	Supplier	Biolink Limited. Halifax Way Pocklington Ind. Est Pocklington York YO42 1NR
	Telephone No.	+44 (0) 1759 303444
	Fax No.	+44 (0) 1759 303158
	Email	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, R52/53

Classification in accordance to EC 1272/2008 as amended

PHYSICAL HAZARDS

Not Classified

HEALTH HAZARDS

Skin Corrosive Category 1B

H314 Causes severe skin burns and eye damage

Eye Damage Category 1

H318 Causes serious eye damage

ENVIRONMENTAL HAZARDS

Aquatic Chronic Toxicity Category 3

H412 Harmful to aquatic life with long lasting effects

Hazard summary

Physical hazards

Not Classified

Health hazards

Causes severe skin burns and eye damage

Environmental hazards

Harmful to aquatic life with long lasting effects

Specific hazards

No specific symptoms 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.

1.2 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
 H412 Harmful to aquatic life with long lasting effects

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.

1.3 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.: 497-19-8	EC No.: 207-838-8	EC Index No.: 011-005-00-2	Reach No.: 01-2119485498-19
Classification (67/548/EEC) Xi, R36		Classification (EC 1272/2008) Eye Irrit. 2 - H319	

REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERIVIS AND BENZENESULPHONIC ACID, 4-METHYL AND SODIUM		0.5 – 1.0 %	
CAS-No.:	EC No.: 932-051-8	EC Index No.:	Reach No.: 01-2119565112-48
Classification (67/548/EEC) Xi, R38, R41		Classification (EC 1272/2008) Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 3 H412	

DIPOTASSIUM PEROXODISULPHATE		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 adsorbent 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)

Cleaner

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 wear 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
pH:	8.0 – 10.0 in a 1 % aqueous solution
Density:	1.25g.cm ³
Solubility:	Miscible in water

9.2. Other information

Not available

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)

REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

Oral	LD50	2000-5000 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rat)

Skin corrosion/irritation

SODIUM CARBONATE

OECD 404	Not irritating
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REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

OECD 404	Irritating
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Serious eye damage/eye irritation

SODIUM CARBONATE

OECD 405	Irritating
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REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

OECD 405	Causes serious eye damage
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Respiratory sensitisation

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

Skin sensitisation

REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

OECD 406	Not sensitising (Guinea pig)
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Germ cell mutagenicity

Based on the available data not classified as a mutagen.

Carcinogenicity

REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

OECD 453 Dermal 2 y 5 days per week	Negative (Rat)
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IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

Reproductive toxicityREACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND
BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

NOAEL 20 d 300 mg/kg

Specific target organ toxicity - single exposure

Based on the available data not classified as a STOT SE.

Specific target organ toxicity - repeated exposureREACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND
BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

NOAEL 85 mg/kg (Rat)

LOAEL 145 mg/kg

Target Organs Kidneys

NOAEL Dermal 440 mg/kg (Mouse)

Aspiration hazard

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

Mixture versus substance information

No data available.

Other information

Not available.

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

REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND
BENZENESULPHONIC ACID, 4-METHYL AND SODIUMToxicity to fish LC50 96 h >1-10 mg/l *Cyprinus carpio*NOEC 72 d >0.1-1 mg/l *Onchorhynchus mykiss*Toxicity to aquatic invertebrates EC50 48 h >1-10 mg/l *Daphnia magna*NOEC 21 d >1-10 mg/l *Daphnia magna*Toxicity to Algae EC50 72 h >10-100 mg/l *Scenedesmus subspicatus*Toxicity to Bacteria EC50 17 h 63 mg/l *Pseudomonas putida***12.2 Persistence and degradability**REACTION PRODUCT OF BENZENESULPHONIC ACID, 4-C10-13 SEC-ALKYL DERVIS AND
BENZENESULPHONIC ACID, 4-METHYL AND SODIUM

OECD 301 A 28 d >70%

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

Not known

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

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

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.