



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
GHS Product Identifier
(Included products)
Chemical Name
CAS No.
EINECS No
UFI
Spring Blossom
Fresh Linen
- Ecoegg Laundry Egg Detergent Whitening Pellets
Spring Blossom, Fresh Linen**
Laundry detergent whitening pellets
Mixture
Mixture
QH6R-M05X-RTKH-5GTG
KK6R-30VC-2TK0-UUDM
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s)
Uses advised against
- Laundry washing and whitening pellets.
Do not use for any other purpose than that stated above.
- 1.3 Details of the supplier of the safety data sheet**
Supplier
Name of Supplier
Address of Supplier
- Must Be Eco Ltd t/a Ecoegg Products**
PO Box 776
Huntingdon,
Cambridgeshire
- Post Code
Telephone:
Email :
Contact
- PE29 9RJ
+44 (0)1622 535200 (Office hours only)
hello@ecoegg.com
Customer Services
- Emergency telephone number**
1.4 Emergency Phone No.
- +44 (0)1622 535200 (Office hours only)
0344 8920555 (National Poisons Information Service) *
* Healthcare professionals only
111 (NHS 111 – UK only)

SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture as supplied**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Eye Damage 1
- 2.2 Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
- 2.2.1 Label elements**

Hazard pictogram(s)



Signal word(s)

Danger

Hazard statement(s)	H318: Causes serious eye damage.
Precautionary statement(s)	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P264: Wash hands and exposed skin thoroughly after handling. 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 doctor/physician.
Hazard-determining components of labelling:	Sodium alpha-olefin sulfonate; Disodium carbonate, compound with hydrogen peroxide (2:3)

2.3 Other hazards

No further information.

2.4 Additional Information

This product has not been classified as a skin irritant on the basis of clinical study. Prolonged skin contact may result in defatting of the skin, leading to irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable

3.2 Mixtures:

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
Sodium alpha-olefin sulfonate	10-25	68439-57-6	931-534-0	Eye Dam. 1:H318; Skin Irrit. 2: H315
Disodium carbonate, compound with hydrogen peroxide (2:3)	10-25	15630-89-4	239-707-6	Eye Dam. 1: H318; Acute Tox 4: H302; Oxid. Solid 3: H272
Dodecan-1-ol, ethoxylated	5-10	9002-92-0	500-002-6	Acute Tox.4: H302; Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319
disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivynylene)bis(benzenesulphonate)	1-5	27344-41-8	248-421-0	Eye Irrit. 2: H319

3.3 Additional Information

Substance	Specific concentration limit % w/w
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	>=38: Eye Dam. 1 - H318 >=5 < 38: Eye Irrit. 2 - H319
Disodium carbonate, compound with hydrogen peroxide (2:3)	>=25%: Eye Dam. 1 – H318 >=7.50%: Eye Irrit.2

For full text of Hazard Statements section 16.

SECTION 4: FIRST AID MEASURES

4.1	Description of first aid measures	
	Inhalation	Unlikely route of exposure. If exposure to dust occurs, remove patient to fresh air. If symptoms develop, obtain medical attention.
	Skin Contact	Wash skin thoroughly with water. If skin rash or irritation develops, obtain medical attention.
	Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Hold eyelids apart. Obtain medical attention.
	Ingestion	Rinse mouth with water (do not swallow). Seek medical advice.
4.2	Most important symptoms and effects, both acute and delayed	No further information.
4.3	Indication of the immediate medical attention and special treatment needed	Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

5.1	Extinguishing media	
	Suitable Extinguishing Media	As appropriate for surrounding fire.
	Unsuitable Extinguishing Media	Not specified.
5.2	Special hazards arising from the substance or mixture	Thermal decomposition may produce toxic and irritant products.
5.3	Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes.
6.2	Environmental precautions	Do not release large quantities of undiluted product into the surface water or into drains.
6.3	Methods and material for containment and cleaning up	Avoid generation of dust. Sweep up spilled substance. Transfer to a clean, sealed container for disposal or recovery.
6.4	Reference to other sections	See Section: 7 (HANDLING AND STORAGE, Section 8 (EXPOSURE CONTROLS/PERSONAL PROTECTION) and Section 13 (DISPOSAL CONSIDERATIONS)

SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Avoid contact with eyes and skin contact. Wash hands thoroughly after handling. Avoid dust generation and accumulation.
7.2	Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry place.
	Storage Temperature	Ambient.
	Incompatible materials	No further information.
	Other information	No further information.
7.3	Specific end uses	Laundry washing and whitening pellets

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Control parameters

8.1.1 Occupational Exposure Limits

WEL: Workplace Exposure Limit (UK HSE EH40)

LTEL (8 hr TWA mg/m³)

4 mg/m³, respirable dust
10 mg/m³, inhalable dust

STEL (15 mins TWA mg/m³)

Not applicable

DNEL Workers		Short term exposure		Prolonged Exposure	
Substance		Systemic	Local	Systemic	Local
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	Oral	-	-	-	-
	Dermal	-	-	2158.33 mg/kg bw/day	-
	Inhalation	-	-	152.22 mg/m ³	-
Disodium carbonate, compound with hydrogen peroxide (2:3) CAS: 15630-89-4 EC: 239-707-6	Oral	-	-	-	-
	Dermal	-	12.8 mg/cm ²	-	12.8 mg/cm ²
	Inhalation	-	-	-	5 mg/m ³
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC: 500-002-6	Oral	-	-	-	-
	Dermal	-	-	1.4 mg/kg bw/day	-
	Inhalation	-	-	4.93 mg/m ³	-
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivynylene)bis(benzenesulphonate) CAS: 27344-41-8 EC: 248-421-0	Oral	-	-	-	-
	Dermal	-	-	53 mg/kg	-
	Inhalation	-	-	20.5 mg/m ³	-
DNEL General Population		Short term exposure		Prolonged Exposure	
Substance		Systemic	Local	Systemic	Local
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	Oral	-	-	12.95 mg/kg bw/day	-
	Dermal	-	-	1295 mg/kg bw/day	-
	Inhalation	-	-	45.04 mg/m ³	-
Disodium carbonate, compound with hydrogen peroxide (2:3) CAS: 15630-89-4 EC: 239-707-6	Oral	-	-	-	-
	Dermal	-	6.4 mg/cm ²	-	6.4 mg/cm ²
	Inhalation	-	-	-	-
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC 500-002-6	Oral	-	-	0.5 mg/kg bw/day	-
	Dermal	-	-	0.5 mg/kg bw/day	-
	Inhalation	-	-	0.87 mg/m ³	-
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivynylene)bis(benzenesulphonate)	Oral	-	-	1.9 mg/kg	-

CAS: 27344-41-8 EC:248-421-0	Dermal	-	-	19 mg/kg	-
	Inhalation	-	-	3.4 mg/m ³	-
Predicted No Effect Concentration (PNEC)					
Disodium carbonate, compound with hydrogen peroxide (2:3) CAS: 15630-89-4 EC: 239-707-6	STP	16.24 mg/L		Fresh water	0.035 mg/L
	Soil	No data		Marine water	0.035 mg/L
	Intermittent	0.035 mg/L		Freshwater sediment	No data
	Acute Toxicity	No data		Marine water Sediment	No data
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	STP	4 mg/L		Fresh water	0.024 mg/L
	Soil	1.21 mg/kg, soil dw		Marine water	0.002 mg/L
	Intermittent	0.02 mg/L		Freshwater sediment	0.0767 mg/kg sediment dw
	Acute Toxicity	No data		Marine water Sediment	0.077 mg/kg sediment dw
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC 500-002-6	STP	0.25 mg/L		Fresh water	1.39 µg/L
	Soil	4.35 µg/kg soil dw		Marine water	0.139 µg/L
	Intermittent	No data		Fresh water sediment	25.9 µg/kg sediment dw
	Acute Toxicity	No data		Marine water sediment	2.59 µg/kg sediment dw
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivynylene)bis(benzenesulphonate) CAS: 27344-41-8 EC:248-421-0	STP	100 mg/L		Fresh water	0.062 mg/L
	Soil	1 mg/kg		Marine water	0.006 mg/L
	Intermittent	0.103 mg/L		Fresh water sediment	198,000 mg/kg sediment dw
	Acute Toxicity	No data		Marine water sediment	19,800 mg/kg Sediment dw

8.2 Exposure controls

8.2.1 Appropriate engineering controls

For prolonged use, provide adequate ventilation, including appropriate local extraction to ensure exposure limits are not exceeded.

8.2.2 Personal protection equipment

Eye/face protection



Wear safety glasses if exposure to particles or dust is likely. Have available eyewash bottle with clean water.

Skin protection (Hand protection/ Other)



Wear plastic or rubber gloves (EN374) if prolonged skin contact is likely.

Respiratory protection



Wear suitable respiratory protective equipment if processing involves working in areas where dusts are likely to be evolved. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

Other (polonged use)

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Mixture)

Appearance	Solid
Colour	According to product specification.
Odour	According to product specification.
Melting Point (°C) / Freezing Point (°C)	No further data.
Boiling point/boiling range (°C):	No further data.
Flammability	No further data.
Lower and upper explosion limit	No further data.
Flash Point (°C) [Closed cup]	No further data.
Auto-ignition temperature	No further data.
Decomposition temperature	No further data.
pH	7.0-8.0
Kinematic viscosity	Solid product.
Solubility	Slightly soluble.
Partition Coefficient (n-Octanol/water)	No further data.
Vapour pressure	No further data.
Density/relative density	No further data.
Relative vapour density	No further data.
Decomposition Temperature (°C)	No further data.
Particle characteristics	No further data.

9.2.1 Information with regard to physical hazard classes No further data.

9.2.2 Other safety characteristics No further data.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Expected to be stable if used and stored as specified.
10.2 Chemical stability	Expected to be stable if used and stored as specified.
10.3 Possibility of hazardous reactions	No hazardous reactions are expected if used and stored as specified.
10.4 Conditions to avoid	No further data.
10.5 Incompatible materials	No further data.
10.6 Hazardous Decomposition Product(s)	No further data.
10.7 Hazardous Polymerization	No further data.

SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

Substance		Acute Toxicity
Disodium carbonate, compound with hydrogen peroxide (2:3) CAS: 15630-89-4 EC: 239-707-6	LD50 Oral	1034 mg/kg bw
	LD50 Dermal	> 2000 mg/kg bw
	LC50 Inhalation	> 5 mg/L
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	LD50 Oral	2290 mg/kg bw
	LD50 Dermal	6300 mg/kg bw
	LC50 Inhalation	> 20 mg/L
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC 500-002-6	LD50 Oral	1000 mg/kg bw
	LD50 Dermal	> 2000 mg/kg bw
	LC50 Inhalation	>20 mg/L
Disodium 2,2'-(1,1'-biphenyl)-4,4'-diyldivinylenebis(benzenesulphonate) CAS: 27344-41-8 EC:248-421-0	LD50 Oral	> 2000 mg/kg bw
	LD50 Dermal	> 2000 mg/kg bw
	LC50 Inhalation	> 5 mg/L

Skin corrosion/irritation

This product has not been classified as a skin irritant on the basis of clinical study. Prolonged skin contact may result in defatting of the skin, leading to irritation.

Serious eye damage/irritation
Respiratory or skin sensitization

Causes serious eye damage.

Product contains ingredients classified with sensitizing effects below reporting and classification threshold levels.

Mutagenicity

Product is not known to contain ingredients with mutagenic potential above relevant quantity threshold levels.

Carcinogenicity

Product is not known to contain suspected carcinogens above relevant quantity threshold levels..

Reproductive toxicity

Product is not known to contain ingredients with effects on reproduction above relevant quantity threshold levels.

STOT-single exposure

Product is not known to contain ingredients classified as a STOT through single exposure above qualifying threshold levels.

STOT-repeated exposure (91 Days.)

Product is not known to contain ingredients classified as STOT-repeated exposure above relevant quantity threshold levels.

11.2 Information on other hazards

No further data.

11.2.1 Endocrine disrupting properties

No further data.

11.2.2 Other information

No further data.

SECTION 12: ECOLOGICAL INFORMATION ****12.1 Toxicity**

Substance		Acute Toxicity	Species
Disodium carbonate, compound with hydrogen peroxide (2:3) CAS: 15630-89-4 EC: 239-707-6	LC50	70.7 mg/L (96 h)	Pimephales promelas
	EC50	4.9 mg/L (48 h)	Daphnia pulex
	EC50	2 mg/L (72 h)	Algae
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	LC50	4.2 mg/L (96 h)	Brachydanio rerio
	EC50	4.53 mg/L (48 h)	Daphnia magna
	EC50	5.2 mg/L (72 h)	Skeletonema costatum
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC 500-002-6	LC50	2.427 mg/L (96 h)	Danio rerio
	EC50	9.131 mg/L (48 h)	Daphnia magna
	EC50	2.737 mg/L (72 h)	Raphidocelis subcapitata

12.2 Persistence and degradability

Substance		Degradation		Biodegradability
Sodium alpha-olefin sulfonate CAS: 68439-57-6 EC: 931-534-0	BOD5	Not applicable	Value	20 mg/L
	COD	Not applicable	Time	28 days
	BOD5/COD	Not applicable	% biodegradability	96%
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC 500-002-6	BOD5	Not applicable	Value	30 mg/L
	COD	Not applicable	Time	28 days
	BOD5/COD	Not applicable	% biodegradability	74%

Dodecan-1-ol, ethoxylated CAS 9002-92-0 EC 500-002-6:

EPI suite ECOSAR version 1.1: NOEC 0.139 mg / l (fish, 28d) and ECOSAR version 1.1: NOEC 0.144mg / l (Aquatic invertebrate, 21d).

According to OECD Guideline 301C, the substance is readily biodegradable in water.

Reference: REACH dossier; Dodecan-1-ol, ethoxylated

12.3 Bioaccumulative potential:

Substance	Potential for Biodegradation	
Sodium alpha-olefin sulfonate	BCF	71

CAS: 68439-57-6 EC: 931-534-0	Log Pow	-1.3
	Potential	Moderate
Dodecan-1-ol, ethoxylated CAS: 9002-92-0 EC 500-002-6	BCF	81
	Log Pow	-
	Potential	Moderate

12.4 Mobility in Soil:

No further data

12.5 Results of PBT and vPvB assessment:

No further data.

12.6 Endocrine disruptor properties:

No further data.

12.7 Other adverse effects:

No further data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recover or recycle if possible. Domestic quantities can normally be disposed of to the sewer if diluted with plenty of water. Professional use: Consult an accredited waste disposal contractor or the local authority for advice.

13.2 Additional Information

No further data

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not classified for transport.

14.2 Proper Shipping name

Not classified for transport.

14.3 Transport hazard classes

Not classified for transport.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

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

Regulation EC 648/2004 (Detergents), as amended
The Detergents (Amendment) (EU Exit) Regulations 2020
REACH Regulation EC 1907/2006 as amended by 2015/830
CLP Regulation EC 1272/2008 and amendments
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

15.1.1 EU regulations

Authorisations and/or restrictions on use

No ingredients known to be listed.

Candidate List of Substances of Very High Concern for Authorisation

No ingredients known to be listed.

REACH: ANNEX XIV list of substances subject to authorisation

No ingredients known to be listed.

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

No ingredients known to be listed.

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer

No ingredients known to be listed.

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

No ingredients known to be listed.

Ingredient Concentration range

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents, as amended

15-30% Oxygen bleaching agent, 15-30% Anionic surfactant, 5-15% Non-ionic surfactant, Optical brightener, Perfumes.

Seveso III

Not applicable

15.1.2 National regulations

The Detergents (Amendment) (EU Exit) Regulations 2020
EH40/2005 workplace exposure limits
The REACH etc. (Amendment) Regulations 2021 UK
REACH)

15.2 Chemical Safety Assessment

Not performed

SECTION 16: OTHER INFORMATION

**** Indicates a change from a previous version**

Recommended restriction of use: The product should not be used for any purpose other than that specified in Section 1

Abbreviations

ADR	Agreement on Dangerous Goods by Road
CAS	Chemical Abstract Service number – used to uniquely identify chemical substances
DNEL	Derived No-Effect Level
IATA	International Air Transport Association
IBC	International Bulk Chemical
ICAO	International Civil Aviation Association
IMDG	International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative
RID	Regulation Concerning the International carriage of dangerous Goods by Rail
STEL	Short term exposure limit

COD	Chemical oxygen demand
BOD	Biological oxygen demand over 5 days
BCF	Bioaccumulative potential
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent

Log Pow: Octanol / water partition coefficient
Koc: Organic carbon-water partition coefficient

Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Oxid. Solid 3: Oxidising solid – Category 3
STOT: Specific target organ toxicity
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Hazard statement(s)(Section 3: Hazardous ingredients)

H272: May intensify fire: oxidiser.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.

H400: Very toxic to aquatic life
H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash hands and exposed skin thoroughly after handling.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

References:

European Chemicals Agency
European Regulations and Directives
Published chemical directories
Suppliers' safety data sheets
UK Health and Safety Executive

Other Information

Basis of hazard classification: Classification according to Regulation (EC) No 1272/2008 transposed as The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 in the United Kingdom.

The information contained in this safety data sheet is based on scientific and technical knowledge and applicable national and EU legislation at the time of writing, but cannot be considered a guarantee regarding the properties of the product.