

SAFETY DATA SHEET

The Safety Data Sheet complies with Regulation EC 1907/2006 of 18/12/2006 - REACH and 2020/878 of 18/06/2020.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product name: WASHING POWDER COLOR

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

Washing fabrics in all types of washing machines and for hand washing.

Recommended restrictions on use:

Other than specified above

1.3. Details of the supplier of the safety data sheet

STS P.W. Stanisław Szymanek

ul. Zimna 5, 20-204 Lublin

E-mail address of the person responsible for the safety data sheet: sts@sts.lublin.pl

1.4. Emergency telephone number

General emergency number: 112

Toxicology Information Centre: +48 (22) 619 66 54

SECTION 2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****Classification – EC 1272/2008**

Eye Irrit. 2: H319 Causes serious eye irritation.

2.2. Label elements**Labelling (REGULATION (EC) No 1272/2008)****Hazard pictograms:**

Signal Word: Warning

Hazard Statement:

Eye Irrit. 2: H319 – Causes serious eye irritation.

Supplemental Hazard Statement:**Precautionary Statement:**

P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

Ingredients reported in accordance with Annex VII A to Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:

<5% anionic surface active agents , <5% non-ionic surface active agents, oxygen based bleach agents, silicates, zeolite, soap , optical brighteners. Contains fragrance composition.

2.3. Other hazards

Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Chemical Name	%	CAS-No.	EC-No.	REACH No.	Classification (REGULATION (EC) No 1272/2008)
Sodium silicate	<2,5	1344-09-8	215-687-4	01-2119448725-31-0029	Skin Irrit. 2: H315 Eye Irrit. 2: H319 STOT SE.3: H335
Sodium dodecylbenzenesulfonate	<2,0	68411-30-3	285-600-2	-	Acute Tox. 4: H302 Skin Irrit.2: H315 Eye Dam. 1: H318

Full text of H-phrases: see section 16

SECTION 4. FIRST AID MEASURES**4.1. Description of first aid measures****Inhalation:**

remove victim to fresh air. If breathing is difficult immediately seek medical advice.

Skin contact:

rinse the contaminated areas with running water. Take off the contaminated clothes.

Eye contact:

Immediately rinse carefully with water for 15 minutes. If the feeling of discomfort (irritation, redness) persists, obtain medical advice from a specialist

Ingestion:

Rinse the mouth and throat carefully, do not induce vomiting. Obtain medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed:**Potential acute health effects****Inhalation:**

irritation, coughing. Bigger quantities may induce throat spasms and breathlessness

Skin contact:

Prolonged or repeated contact can cause skin irritation or dryness.

Eye contact:

Causes irritation, redness, and pain.

Ingestion:

irritation, coughing. Bigger quantities may induce throat spasms and breathlessness

Over-exposure signs/symptoms**Inhalation:**

No specific data.

Skin contact:

No specific data.

Eye contact:

No specific data.

Ingestion:

No specific data.

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

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

SECTION 5. FIREFIGHTING MEASURES**5.1. Extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture:

During fire, possible discharge of carbon monoxide and products of pyrolysis.

5.3. Advice for firefighters:

While extinguishing the fire, take into account recommendations related to extinguishing media suitable for materials stored nearby. Special protective equipment for fire-fighters: self-contained breathing apparatus, protective clothing resistant to chemicals.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid slipping on scattered and wet product. Avoid contact with eyes and skin. Ensure suitable ventilation. Do not breath in the dust

6.2 Environmental precautions

Prevent product from entering surface and ground water.

6.3 Methods and material for containment and cleaning up

Collect as much mixture as possible with mechanical tools, and rinse the residues with large quantity of water.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling****Precautions for safe handling:**

Use in accordance with the intended purpose. Follow the rules of personal hygiene. Store at places inaccessible to children. Do not allow contamination affecting eyes, skin, and clothes.

Hygiene measures:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage areas and containers:**

Store in dry and cold rooms.

7.3 Specific end use(s)

No additional information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Sodium dodecylbenzenesulfonate

DNEL worker, dermal, long term, systemic effects: 170mg/kg
 DNEL worker, inhalation, long-term exposure, systemic effects: 12mg/m3
 DNEL consumer, oral, long term, systemic effects: 0.85mg/kg
 DNEL consumer, dermal, long term, systemic effects: 85mg/kg
 DNEL consumer, inhalation, long-term exposure, systemic effects: 3mg/m3
 DNEL worker, inhalation, long-term exposure, local effects: 12mg/m3
 DNEL consumer, inhalation, long-term exposure, local effects: 3mg/m3
 PNEC fresh water 0.268 mg/l
 PNEC marine water 0.0268 mg/l
 PNEC soil 35 mg/kg
 PNEC sediment (fresh water) 8.1 mg/kg
 PNEC sediment (marine water) 8.1 mg/kg
 PNEC biological sewage treatment plant 2.43 mg/l
 PNEC water - intermittent release 0.00167 mg/l

Sodium silicate

DNEL worker, dermal, long term, systemic effects: 1.59mg/kg bw/day
 DNEL worker, inhalation, long term, systemic effects: 5.61mg/m3
 DNEL consumer, dermal, long term, systemic effects: 0.8mg/kg bw/day
 DNEL consumer, inhalation, long term, systemic effects: 1.38mg/m3
 DNEL consumer, oral, long-term, systemic effects: 0.8mg/kg bw/day
 PNEC fresh water 7.5 mg/l
 PNEC marine water 1 mg/l
 PNEC water - intermittent release 7.5 mg/l
 PNEC sediment (fresh water) 7.5 mg/kg
 PNEC biological sewage treatment plant 348 mg/l
 PNEC Food Chain 348 mg/kg oral

8.2 Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation of the working area.

Individual protection measures:

Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Wash hands after handling the product.

Eye/face protection:

Pictogram	Safety equipment	Comments

Hand protection:

Pictogram	Safety equipment	Comments
	Chemical resistant gloves (PVC).	Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection:

Personal protective equipment is required if the product is handled in industrial environment and at large quantities (not applicable if the product is used in households).

Pictogram	Safety equipment	Comments
	Chemical protective clothing	Remove and wash contaminated clothing before re-use.
	Protective footwear	

Respiratory protection:

Not normally required. Do not breathe gas/fumes/vapour/spray.

Other information:

Environmental exposure controls:

Should not be released into the environment. See also Section 7.1 for additional information.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	solid
Color:	White with the addition of colored granules
Odour:	Characteristic
Melting point/freezing point	No data
Boiling point or initial boiling point and boiling range:	No data
Flammability:	Not flammable
Lower and upper explosive limits	Not applicable
Flash-point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH:	6-9 (1%)
Kinematic viscosity:	Not applicable
Solubility in water	Water-soluble
Partition coefficient n-octanol/water (log value)	Not applicable - mixture
Vapor pressure	Not applicable
Density and/or relative density	>1 g/cm ³
Relative vapour density	Not applicable
Particle characteristics	Powder

9.2 Other information

Not applicable and/or not determined for the mixture

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use. See Section 7.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No reactivity hazards known under normal storage and use conditions.

10.4 Conditions to avoid

Avoid high temperatures, direct sunlight, hot surfaces and open flames.

10.5 Incompatible materials

No specific data.

10.6 Hazardous decomposition products

No specific data.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

The product is not classified or labelled as toxic (acute toxicity via digestive tract), based on the data from OECD 423 test performed on a product with similar chemical composition.

The product is classified and labelled as eye irritant – additive method (combined action of mixture ingredients).

Information on ingredients:

Sodium dodecylbenzenesulfonate

LD50 (oral, rat): 1260mg/kg

Sodium silicate

LD50 (oral, rat): 1153 - 39800mg/kg

LD50 (oral, mouse): 770 - 39800mg/kg

LC50 (inhalation, rat): 18mg/l, 1h

11.2 Information on toxicological effects

Endocrine disrupting properties None.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Information on the ingredients:

Sodium dodecylbenzenesulfonate

LC50 - for fish (*Lepomis Macrochirus*): 1.67mg/l, 96h

NOEC - for fish (*Lepomis Macrochirus*): 0.1 - 1mg/l, 28 days

EC50 - for crustaceans (*Daphnia magna*): 0.32mg / l, 48h

EC50 – for algae (*Selenastrum Capricornutum*): 29mg/l, 96h

Sodium silicate

LC50 for fish: 3158 - 478mg/l, 96h

LC50 for fish: 301 - 478mg/l, 96h

EC50 for algae: 216 - 18000mg/l, 96h

12.2 Persistence and degradability

No specific data available for the mixture.

Sodium dodecylbenzenesulfonate

89% in 28 days

Sodium silicate

It is not readily biodegradable

The surfactants contained in this product comply with the established biodegradability criteria of Regulation (EC) 648/2004 on detergents. All supporting data are available to the competent authorities of the Member States and will be provided to them upon request or at the request of the detergent manufacturer.

12.3 Bioaccumulative potential

No specific data available for the mixture.

Sodium dodecylbenzenesulfonate

Log Po/in: 3.32

BCF: 2

Low bioaccumulation potential

12.4 Mobility in soil

No specific data available for the mixture.

Sodium dodecylbenzenesulfonate

Ko/c log: 3.32

12.5 Results of PBT and vPvB assessment

The mixture does not contain substances that meet the PBT or vPvB criteria.

12.6 Endocrine disrupting properties

The mixture does not contain endocrine disrupting substances.

12.7 Other adverse effects

No specific data available for the mixture.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Expired product and packaging may not be discharged into the environment. Empty and clean packaging from products used in households must be disposed of together with household waste. It is necessary to follow local regulations related to waste disposal.

SECTION 14. TRANSPORT INFORMATION**14.1 UN number**

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

The mixture is not hazardous to the environment .

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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.

Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

SECTION 16. OTHER INFORMATION

Text of Hazard Statements in Section 3

H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Staff training tips

To be proactive in preventing accidents, employees must be properly trained on new chemical labelling and Safety Data Sheet (SDS) formats.

Abbreviations and acronyms:

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

LC50 = Lethal Concentration, 50% / Median Lethal Concentration

LD50 = Lethal Dose, 50% / Median Lethal Dose

EC50 = half maximal effective concentration

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

STOT = Specific target organ toxicity

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

Further information

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