

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006



Revision number	2
Revision date	18 th May 2021
Supersedes date	July 2012
SDS number	SDS5009

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

1.1 Product Identifier

Product name	Batik Dye Fix
Product Code(s)	P914
Other Details	Sodium Carbonate Solid

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

Uses advised against	At this moment we have not identified any uses advised against.
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1.3 Details of the supplier of the safety data sheet

Supplier	Specialist Crafts Ltd Hamilton House Mountain Road Leicester LE4 9HQ United Kingdom Email purchasing@specialistcrafts.com Telephone +44 (0)116 269 7711
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1.4 Emergency telephone number

Emergency telephone	+44 (0)116 269 7711 This telephone number is available during office hours only, 09:00 to 17:00 GMT, Monday to Friday, excluding UK bank holidays and weekends. Language English
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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification	Classification according to Regulation (EC) No 1272/2008.
Physical Hazards	See section 9/10 for physicochemical information.
Health Hazards	See section 11 for toxicological information.
Environmental Hazards	See section 12 for environmental information.

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2.2 Label Elements

Hazard Statements

H319 – Causes serious eye irritation.
Hazard symbols: Warning;



Hazardous components which must be listed on the label: sodium carbonate

Signal Word

No further information.

EU Specific Hazard Statements

No further information.

Precautionary Statements

No further information.

Other information

Prevention;
P264 – Wash skin thoroughly after handling.
P280 – Wear eye protection/ face protection.

Response;
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.

2.3 Other Hazards

Other Hazards

For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substances

See below

3.2 Mixtures

Mixtures

See below

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification (Regulation (EC) No. 1272/2008 (CLP))	Classification (Directive 67/548/EEC)
Sodium Carbonate	>= 90 - < 100	497-19-8	207-838-8	011-005-00-2		

EU Reach 01-2119485498-19-xxxx

Hazard Class / Eye Irrit.2

Hazard category

Hazard statements H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Advice

Take off all contaminated clothing immediately.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

General Advice

See Section 11 for more detailed information on health effects and symptoms.

Symptoms

See Section 11 for more detailed information on health effects and symptoms.

Effects

See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No further information.

Specific Treatments

Treat symptomatically.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

High volume water jet.

5.2 Specific Hazards arising from the substance or mixture

Specific Hazards arising from the chemical

Incomplete combustion may form toxic pyrolysis products.

Hazardous combustion products

Carbon monoxide, Carbon dioxide (CO₂)

5.3 Advice for fire fighters

Protective actions during firefighting

In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.

Special protective equipment for fire fighters

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment. Keep away unprotected persons. Ensure adequate ventilation. Avoid contact with skin and eyes.

Other information

No further information.

For emergency responders

No further information.

6.2 Environmental precautions

Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Methods of containment

Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

Methods of cleaning up

As above.

6.4 Reference to other sections

Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

General hygiene considerations

Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.2 Conditions for safe storage, including and incompatibilities

Storage conditions

Store in original container. Suitable materials for containers: polyethylene; Unsuitable materials for containers: Aluminium
Normal measures for preventive fire protection.
Keep tightly closed in a dry and cool place. Product is hygroscopic.
Keep away from food, drink and animal feeding stuffs.
Do not store near acids.

Storage Class

No further information

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7.3 Specific End Use(s)

Risk management methods

Identified use: See table in front of appendix for a complete overview of identified uses.

Other information

No further information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Contains no substances with occupational exposure limit values.

Derives No Effect Level (DNEL)

DNEL

Workers, long term, inhalation: 10mg/m³

DNEL

Consumers, Acute – local effects, inhalation: 10 mg/m³

8.2 Exposure controls

Protective equipment

Appropriate engineering controls

Eye/Face Protection

Hand protection

Wear personal protective equipment.

Refer to protective measures listed in sections 7 and 8.

Safety goggles

Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.

Material: Natural Rubber

Break through time: \geq 8 h

Glove thickness: 0.5mm

Material: polychloroprene

Break through time: \geq 8 h

Glove thickness: 0.5mm

Material: Nitrile rubber

Break through time: \geq 8 h

Glove thickness: 0.35mm

Material: Fluorinated rubber

Break through time: \geq 8 h

Glove thickness: 0.4mm

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Respiratory Protection

Material: Polyvinylchloride
Break through time: ≥ 8 h
Glove thickness: 0.5mm

Required, if exposure limit is exceeded (e.g. OEL).
Respiratory protection complying with EN 141.
Respirator with a dust filter
Particle filter:P2
Particle filter:P3

Environmental Exposure Controls

Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Solid
Odour	Odourless
Odour threshold	No data available.
pH	11.2 (1 g/l ; 20 °C)
Melting/freezing point	851 °C
Initial boiling point and boiling range	1,600 °C
Flash point	Not applicable.
Evaporation rate	No data available.
Flammability (solid; gas)	This product is not flammable.
Upper/lower flammability or explosive limits	This product is not flammable.
Vapour pressure	Not applicable
Vapour density	No data available.
Relative density	2.52 (20 °C) (EU Method A.3)
Solubility(ies)	212.5 g/l (20 °C) (OECD Test Guideline 105) 71 g/l (0 °C)
Partition coefficient	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	> 400 °C
Viscosity	Not applicable.
Explosive properties	No data available.
Oxidising properties	No data available.

9.2 Other information

Other information

Molecular weight – 106 g/mol.
Bulk density;
0.5 - 0.6 kg/dm³ Light soda ash
0.97 - 1.10 kg/dm³ Dense soda ash

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SECTION 10: Exposure controls/personal protection

10.1	Stability and Reactivity Stability and reactivity	No decomposition if stored and applied as directed.
10.2	Chemical Stability Chemical Stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions Possibility of hazardous reactions	Product is hygroscopic. Contact with acids liberates carbon dioxide. In contact with metals generates hydrogen gas, which together with air can form explosive mixtures.
10.4	Conditions to avoid Conditions to avoid	Protect from humidity and keep away from water. Thermal decomposition – > 400 °C
10.5	Incompatible materials Incompatible materials	Acids, Light metals, Aluminium powder.
10.6	Hazardous decomposition products Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1	Information on toxicological effects	
	Acute toxicity	Oral LD50 – 2800 mg/kg body weight (Rat, male and female)
		Inhalation LC50 – 2.3 mg/l (Rat; 2 h) (OECD Test Guideline 403) Inhalation may cause pain and cough.
	Skin corrosion/irritation	Dermal > 2000 mg/kg body weight (Rabbit) (US-EPA method) Result – No skin irritation (Rabbit) (OECD Test Guideline 404)
	Serious eye damage/irritation	Result – Severe eye irritation (Rabbit) (US-EPA method)
	Skin sensitisation	Not sensitizing
	Respiratory sensitisation	Not sensitizing
	Germ cell mutagenicity	In vitro tests did not show mutagenic effects
	Carcinogenicity	Study scientifically not justified.
	Reproductive toxicity	Study scientifically not justified.
	Aspiration hazard	No aspiration toxicity classification.

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Specific Target Organ Toxicity (Single and Repeated Exposure)

STOT - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Sodium carbonate dissociates into ions that are present physiologically in relatively high levels in vertebrates. Therefore, repeated dose toxicity studies are considered (scientifically) unnecessary, in accordance with column 2 of REACH Annex VIII and IX.

Information on likely routes of exposure

Inhalation

No further information.

Skin contact

No further information.

Eye contact

No further information.

Ingestion

No further information.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms related to the physical, chemical and toxicological characteristics

No further information.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity

Fish

EC50: 300 mg/l (Lepomis macrochirus; 96 h)

Toxicity to daphnia and other aquatic invertebrates
200 - 227 mg/l (Freshwater invertebrates; 48 h)

Algae

Study scientifically unjustified.

Bacteria

Study scientifically unjustified.

Short-term (acute) aquatic hazard

This product has no known ecotoxicological effects.
Study scientifically unjustified.

Long-term (chronic) aquatic hazard

Study scientifically unjustified.

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12.2 Persistence and degradability

Persistence and degradability

Persistence

Result - decomposition by hydrolysis.

Biodegradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

Mobility in soil

Study scientifically unjustified.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.

12.6 Other adverse effects

Other adverse effects

Additional ecological information

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13: Disposal Conditions

13.1 General Information

General Information

Product

Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

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13.2	Disposal Methods Disposal Methods	See 13.1
13.3	Waste Class Waste Class	No further information

SECTION 14: Transport Information

General Information

Generally for limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

Road transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.

Sea transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.

Air transport notes refer to the Dangerous Goods List for information on any Special Provisions A46.

14.1	UN Number UN No. (ADR/RID) UN No. (IMDG) UN No. (ICAO) UN No. (ADN)	Not dangerous goods for ADR, RID, IMDG and IATA.
14.2	UN proper shipping name UN Proper shipping name (ADR/RID) UN Proper Shipping Name (IMDG) UN Proper Shipping Name (ICAO) UN Proper Shipping Name (ADN)	Not applicable.
14.3	Transport Hazard Class(es) ADR/RID class ADR/RID classification code ADR/RID label IMDG class 4.1 ICAO class/division ADN class Transport labels	Not applicable.
14.4	Packing Group ADR/RID Packing Group IMDG Packing Group ICAO Packing Group	Not applicable.

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ADN Packing Group

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- 14.5 Environmental Hazards
Environmentally hazardous substance/marine pollutant
Other Environmental Hazards

Not applicable.

- 14.6 Special Precautions for User
General Special Precautions
EmS
ADR transport category
Emergency Action Code
Hazard Identification Number
Tunnel Restriction Code

Not applicable.

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

National Regulations **EU Regulations**

No further information.

EU. Regulation EU No. 649/2012 concerning the export and import of dangerous chemicals;
The substance/mixture does not fall under this legislation.

EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC);
The substance/mixture does not fall under this legislation.

EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325);
EC Number: , 207-838-8; Listed

EU. Directive 2012/18/EU (SEVESO III) Annex I
The substance/mixture does not fall under this legislation.

Notification status
sodium carbonate

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Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
EINECS	YES	207-838-8
ENCS (JP)	YES	(1)-164
IECSC	YES	
ISHL (JP)	YES	(1)-164
KECI (KR)	YES	KE-31380
NZIOC	YES	HSR003265
PICCS (PH)	YES	
TSCA	YES	

15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa.

Chemical Safety Assessment

No data available.

SECTION 16: Other information

16.1 Hazard statements in full

H319	Causes serious eye irritation.
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16.2 Disclaimer

The information presented herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable to their circumstances.

16.3 Revisions

Please note the revision information on page 1 of this document, indicating the last revision date of this data, the revision number and the date this revision supersedes

16.4 References

Suppliers and manufacturers safety data sheets

16.5 Abbreviations and acronyms

Please contact us, in advance of need, should you require clarification of common abbreviations or acronyms used in this safety data sheet

END OF SAFETY DATA SHEET