



Safety Data Sheet

Craft Dye Fixer

Revision: Number 7
Date 21 December 2016

SECTION 1 Product & Supplier Identification

Product Name Craft Dye Fixer
Other Names Fixer
Product Code
Barcode Number
Recommended Use Fixing Craft Dye onto fabric (cotton).
Restrictions on Use None known
Company Educational Colours Pty Ltd
ABN 61 005 708 967
Address 2/43 Burgess Road, Bayswater, VIC, Australia 3153
Telephone +61 3 9729 0788
Supplier Code
Emergency Phone Number Australia – 13 11 26 (Poisons Information Centre)

SECTION 2 Hazards Identification

Classification of the hazardous chemical

Hazardous Chemical. Dangerous Goods. According to SWA and the ADG code.

Physical hazards	Not classified	
Health hazards	Serious eye damage / irritation	Category 1
	Skin corrosion / irritation	Category 2
	Acute Toxicity (Oral)	Category 4
	Specific Target Organ Toxicity (Single Exposure)	Category 3
Environmental hazards	Not classified	

Label elements, including precautionary statements

Hazard symbols



Corrosion
DANGER



Exclamation mark

Signal word

Hazard Statements

H318 Causes serious eye damage
H315 Causes skin irritation
H302 Harmful if swallowed
H335 May cause respiratory irritation

Precautionary statements

Prevention

P280 Wear eye, hand and face protection.
P264 Wash hands thoroughly after handling.
P261 Avoid breathing mist, vapours and/or spray.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

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.
P310 Immediately call a POISON CENTRE or doctor / physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor / physician if you feel unwell.
P330 Rinse mouth.

Storage

P403+P233 Store in well ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal

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

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SECTION 3 Ingredient Composition / Information

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion (to 100%)</u>
Sodium Hydroxide	1310-73-2	< 5%
Sodium Silicate	1344-09-8	10 – 40%
Non-hazardous components		to 100%

SECTION 4 First Aid Measures

General Information

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Description of necessary first aid measures

Eye	Immediately rinse with plenty of gently, running water for atleast 15 minutes, with eyes open wide as much as possible. Seek urgent medical attention.
Skin	Immediately wash contaminated skin with running water for atleast 30 minutes. Remove any contaminated clothing while under the safety shower. Do not attempt to neutralise the alkali mix with acid, as it may aggravate the skin further. If any symptoms arise and/or persist seek medical attention.
Swallowed	immediately rinse mouth with water. Repeat until contaminant is thoroughly removed. Give water to drink. Do not induce vomiting as this may risk further damage. If vomiting occurs give water to help dilution. Seek medical attention.
Inhalation	Remove affected person to a fresh air or well ventilated area. Seek medical attention if symptoms persist.

Personal protection for first aid responders

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Symptoms caused by exposure

Direct contact with eyes may cause stinging / burning, tearing, redness and blurred vision.
Direct contact with skin may cause burning, redness and general irritation.
Direct contact with mouth and throat may cause burning sensation and general irritation.

Medical attention and special treatment

Provide general supportive measures and treat symptomatically as for strong alkalis. Keep under observation as symptoms may be delayed. If not already done seek medical attention.

SECTION 5 Fire Fighting Measures

Extinguishing equipment

Suitable	Water, fog, foam, dry chemical powder, carbon dioxide. When choosing extinguishing equipment be aware of any potential hazard(s), example electrical.
Unsuitable	Anything that could spread the fire and or risk the safety of surrounding personnel.

Specific hazards arising from the chemical

This product is water based and does not burn. However if engulfed in fire gases hazardous to health maybe formed.

Specific protective equipment and precautions for fire fighters

Self-contained breathing apparatus (SCBA) and full protective clothing (PPE) must be worn in case of fire.

General fire hazards No unusual fire or explosion hazards known.

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SECTION 6

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away and isolate hazard area and prevent entry. Stop leak only if safe to do so. Wear appropriate protective equipment and clothing during clean up. Contain spill to prevent contamination to drains / water ways. Product is alkali, if able neutralise liquid. Environmental Protection Authority and Local authorities should be contacted if spill cannot be contained. Collect and seal in clearly and properly labelled containers for disposal in accordance with local regulations. Heed advice under Section 8 "Personal Protection".

For emergency responders

Keep unnecessary personnel away and isolate hazard area and prevent entry. Stop leak only if safe to do so. Wear appropriate protective equipment and clothing during clean up. Contain spill to prevent contamination to drains / water ways. Product is alkali, if able neutralise liquid. Heed advice under Section 8 "Personal Protection".

Environmental precautions

Avoid discharge to drains, water ways or onto the ground.

Methods and materials for containment and clean up

Large spills – Stop flow of material, if safe to do so. Contain spill where possible. Product is alkali, if able neutralise liquid. Absorb spill in sand, vermiculite, dry earth or other inert absorbent material. Collect and seal in clearly and properly labelled containers for disposal in accordance with local regulations.

Small spills – Wipe / clean up with absorbent material, e.g. cloth.

SECTION 7

Handling & Storage

Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use in a well-ventilated area, avoid breathing spray mist. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in a cool, sheltered location away from direct sunlight and sources of heat. Keep containers tightly closed at all times when not in use. Keep away from acids. Store in clearly labelled containers.

SECTION 8

Exposure Controls / Personal Protection

Occupational exposure limits

No OEL's noted for this product. However, for individual components,

Sodium Hydroxide 1310-73-2 2. mg/m³ Peak Limitation

Sodium Silicate 1344-09-8 5 mg/m³(TWA) 5 mg/m³(STEL)

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to a minimum.

Biological limit values

No biological exposure values noted for this product.

Appropriate engineering controls

Use in a well-ventilated area. Provide an eyewash station and safety shower.

Individual protection measures, for example personal protective equipment (PPE)

Eye protection

Wear safety goggles and face shield.

Skin protection

Wear impervious gloves and appropriate non-porous protective clothing. Do not wear short sleeve tops or short pants where unprotected skin is exposed.

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Hygiene measures

Use and maintain good industrial hygiene. Always wash hands after use. Routinely wash and maintain safety equipment and clothing. Do not eat, smoke or drink when handling this product.

SECTION 9

Physical & Chemical Properties

Appearance	Transparent liquid.
Odour	Odourless.
Odour threshold	Not available
pH	between 12.0 – 14.0
Melt point / freeze point	Not available
Boiling point	As for water
Flash point	Not available
Evaporation rate	As for water
Flammability	Not flammable
Upper/lower flammability limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative density	Not available
Solubility in water	Miscible
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific Gravity	between 1.20 – 1.50

SECTION 10

Stability & Reactivity

Reactivity This product is considered to be non-reactive under normal conditions of use, storage and transport. However, flammable hydrogen gas will form on reaction with aluminium, copper, zinc and lead. Product Gels and generates heat if mixed with acid. It may also react with ammonium salts resulting in evolution of ammonia gas.

Chemical stability This product is considered to be stable under normal conditions of use, storage and transport. Absorbs carbon dioxide on exposure to air, which results in the deposition of insoluble silica.

Possibility of hazardous reactions

No hazardous reaction known under normal use. Flammable hydrogen gas will form on reaction with aluminium, copper, zinc and lead. Product Gels and generates heat if mixed with acid. It may also react with ammonium salts resulting in evolution of ammonia gas.

Conditions to avoid Leaving solutions exposed to carbon dioxide in the air.

Incompatible materials

Strong acids.

Hazardous decomposition

If engulfed in fire product may give rise to the release of irritating mists and fumes.

SECTION 11

Toxicological Information

Information on possible routes of exposure

Skin contact Serious skin irritation

Eye contact Serious eye irritation.

Ingestion May cause mouth and throat irritation, abdominal pain and gastrointestinal chemical burns.

Inhalation May cause respiratory irritation.

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Symptoms related to exposure

Direct contact with eyes may cause stinging / burning, tearing, redness and blurred vision.
Direct contact with skin may cause burning, redness and general irritation.
Direct contact with mouth and throat may cause burning sensation and general irritation.

Acute

Sodium silicate (CAS No. 1344-09-8)

Oral

LD50 Rat 1280 mg/kg

Estimate for product may be based on additional data not shown

Serious eye damage / irritation

Causes serious eye irritation.

Skin corrosion / irritation

Causes serious skin irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity (STOT) – repeated exposure

No data available for this product. However for individual components, Sodium Silicate – Frequent ingestion over extended periods of time of gram quantities of silicates is associated with the formation of kidney stones and other siliceous urinary calculi in humans.

Aspiration hazard

No data available.

Additional Information

This product does NOT contain,

Egg, dairy, soy, seafood, shellfish, wheat or peanut products, by-products or derivatives.

SECTION 12

Ecological Information

Ecotoxicity

No specific data is available for this product. However, do not release this product or any water contaminated with this product into drains, soils or waterways. Sufficient measures should be taken to retain the water used in extinguishing any fires involving this product. Dispose of contaminant in accordance with local landfill or incineration regulations.

Persistence and degradability

No specific data available.

Bio accumulative potential

No specific data available.

Mobility in soil

No specific data available.

SECTION 13

Disposal Considerations

Disposal methods

Dispose of this product and any water contaminated with this product in accordance with local regulations.

Contaminated packaging

The container in which the product is/was contained should also be disposed of in accordance with local regulations.

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SECTION 14 Transport Information

ADG Classified as a dangerous goods.
UN Number 1824
Proper Shipping Name Craft Dye Fixer
Class and Subsidiary Risk(s) 8
Packaging Group II
Hazchem Code 2R

IMDG Classified as a dangerous goods.
UN Number 1824
Proper Shipping Name Craft Dye Fixer
Class and Subsidiary Risk(s) 8
Packaging Group II

Special Precautions No special precautions or requirements for transport

SECTION 15 Regulatory Information

Safety, health and environmental regulations

This Safety Data Sheet was prepared in accordance with Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Schedule 5 Poison

HSNO approval Sodium silicate – HSR003640

AICS All components are listed in the Australian Inventory of Chemical Substances.

SECTION 16 Other Information

Reason for Revision Review and update information in accordance with GHS requirements.

Acronyms

TWA The TWA (Time Weighted Average) exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded even briefly.

Peak Limitation A maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL.

SWA Safe Work Australia

ADG Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

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