

SAFETY DATA SHEET: Landscapes Cotton Dyes

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name : **LANDSCAPES COTTON DYES**

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

Relevant identified uses : Textile dye for Cotton, Silk and cellulose fibres.

This product should be stored, handled and used according to the rules of hygiene, safety and environmental protection provided by existing laws.

1.3 Details of the supplier of the safety data sheet:

Supplier name : Craft Explosion P/L t/a Kraftkolour
Address : Factory 2, 99 Heyington Ave, THOMASTOWN. Vic 3074
Tel : 03 9465 4865 (int +61 0 4965 4865_
Fax : n/a
Email : info@kraftkolour.com.au

1.4 Emergency telephone number:

03 9465 4865 (Int +61 3 9465 4865) Mon- Friday 9am to 4:30pm

Poison Information Line: 13 11 26 (Australia)

2. Hazards identification

2.1 Classification of the substance or mixture Classification according to GHS Standard

Physical hazards : Not Classified.

Health hazards : Serious eye irritation: Category 2A
Specific target organ toxicity-single exposure:
Category 3 (respiratory tract irritation)

Environmental hazards : Not Classified.

2.2 Label elements

Hazard Substance:

Component	CAS Number	% by weight
Direct Blue 201	60800-55-7	17-19

The other Direct Dye colours and ingredients in Landscapes Cotton Dyes are considered Non-Hazardous

GHS Classification

Signal word: **Warning**

Pictogram



Hazard statements:

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P103 Read label before use.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash hand thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response statements:

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.

Storage statements:

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

2.3 Other hazards:

This product does not contain any substances classified as PBT or vPvB.

3. Composition / information on ingredients

3.1 Substance: Not applicable. Material is a mixture.

3.2 Mixture: Mixture of Direct dye and Sodium Chloride

Hazardous Components	CAS No EC Registration No	% by weight	Classification
Direct Blue 201	CAS.60800-55-7 EC.612-030-7	17 - 19	⚠ Eye Irrit. 2A; H319 ⚠ STOT SE 3; H335

See section 16 for full description of H and EUH statements.

4. First aid measures

4.1 Description of first aid measures:

- General information:

Move victim from the contaminated workplace to ventilated place. Call the hospital for medical assistance and provide emergency treatment.

- Following inhalation:

Remove victim to fresh air immediately. Get medical aid immediately.

- Following skin contact:

Remove contaminated clothing and shoes. Wash with soap and water.

- Following eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

- Following ingestion:

Wash out mouth with water and then drink plenty of water.

- Self-protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

5. Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Carbon dioxide, water spray, foam or dry extinguishing media.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, phosphorus oxides.

5.3 Advice for fire-fighters:

Good firefighting practice dictates the use of self-contained breathing apparatus and turnout gear. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Removal of ignition sources. Provision for sufficient ventilation.
- Do not breathe dust. Respiratory protection.

6.2 Environmental precautions:

Keep away from drains, surface and groundwater and soil.

6.3 Methods and material for containment and cleaning up:

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor

6.4 Reference to other sections:

Refer to protective measure list in Sections 8 and 13.

6.5 Additional information:

Take up mechanically and place in suitable, closable container for disposal, avoiding formation of dust.

7. Handling and storage

7.1 Precautions for safe handling:

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Prevent skin and eyes contact. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities:

The substances in our product are very stable, please put it in a ventilated, cool, dry place. Keep container closed when not in use. Store away from food and drink.

7.3 Specific end uses:

None

8. Exposure controls / personal protection

8.1 Control parameters:

No exposure limit value is derived.

8.2 Exposure controls:

Appropriate engineering controls:

Application of local exhaust ventilation (LEV) during the mixing of dyes

Personal protection equipment:



(a) Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

(b) Hand protection:

Chemically resistant gloves conforming to EN374, e.g. material in Butyl or Neoprene with thickness more than 0.7 mm; breakthrough time (maximum wear duration): 480 min.

(c) Body protection:

Wear professional long-sleeved overalls (EN ISO13982-1(type5) against solid particles and EN 13034:2009 (type6) protective clothing offering limited protection against liquid chemicals).

Material can be mixing of cotton and polyamide, or polypropylene. Protective shoes/boots are not required.

(d) Respiratory protection:

When handling material that may generate dust, it is recommended to wear a half- mask respirator with filter conforming to standard EN 143, class P2 (against dust/particle), e.g. HEPA (High Efficiency Particulate Air) filter.

Environmental exposure controls:

The usual precautions for the handling of chemicals must be observed.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

- **Physical state** : Powder
- **Colour** : Various Colours
- **Odour** : Mild Odour
- **Odour threshold** : No data is available on the product itself.
- **Melting Point** : No data is available on the product itself.
- **Boiling Point** : No data is available on the product itself.
- **Flammability** : Will not support combustion
- **Upper explosive limits** : No data is available on the product itself.
- **Lower explosive limits** : No data is available on the product itself.

- **Flash Point** : No data is available on the product itself.
 - **Auto ignition temperature** : No data is available on the product itself.
 - **Decomposition temperature** : No data is available on the product itself.
 - **pH value** : 7 - 8.5 (10% solution)
 - **Kinematic viscosity** : No data is available on the product itself.
 - **Solubility in water** : 30-60 g/L
 - **Solubility in other solvents** : No data is available on the product itself.
 - **Partition coefficient n-octanol/water (log value)**: No data is available
 - **Vapor pressure** : No data is available on the product itself.
 - **Density** : No data available
 - **Relative density** : No data is available on the product itself.
 - **Relative vapor density** : No data is available on the product itself.
 - **Particle characteristics** : No data is available on the product itself.
- 9.2 Other information:**
- **Evaporation Rate** : No data is available on the product itself.
 - **Dust explosion** : No data is available on the product itself.

10. Stability and reactivity

- 10.1 Reactivity:**
No dangerous reactive known under conditions of normal use.
- 10.2 Chemical Stability:**
Stable under normal temperatures and pressures.
- 10.3 Possibility of hazardous reactions:**
None.
- 10.4 Conditions to avoid:**
Heat and moisture.
- 10.5 Incompatible materials:**
Strong acid, strong bases and strong oxidizing agents.
- 10.6 Hazardous decomposition products:**
None under normal storage conditions.

11. Toxicological information

- 11.1 Information on hazard classes as defined in GHS:**
- **Acute toxicity** : LD50 >3000 mg/kg
 - **Skin corrosion/irritation** : No data available.
 - **Serious eye damage/irritation** : Irritant
 - **Respiratory or skin sensitisation** : No data is available on the product itself.
 - **Germ cell mutagenicity** : No data is available on the product itself.
 - **Carcinogenicity** : No data is available on the product itself.
 - **Reproductive toxicity** : No data is available on the product itself.
 - **STOT-single exposure** : No data is available on the product itself.
 - **STOT-repeated exposure** : No data is available on the product itself.
 - **Aspiration hazard** : No data is available on the product itself.
- 11.2 Information on other hazards** : No other health hazards

12. Ecological information

- 12.1 Toxicity:**
- **LC50 (fish)** : (96hr) >100 mg/L
 - **EC50 (daphnia)** : No data available.
 - **IC50 (algae)** : No data available.
- 12.2 Persistence and degradability:**
- **Abiotic degradation** : No data is available on the product itself.
 - **Chemical oxidation demand (COD) value** : < 700 mg/g (Estimated only)
 - **Biological oxidation demand (BOD) value** : <100 mg/g (estimated only)
 - **AOX** : Effluent: lower than 0.2 ppm; Sludge: max. 0.5 ppm
 - **Total organic con. (TOC)** : No data available
 - **Volatile organic compound (VOC)** : No data is available on the product itself.
 - **Biodegradability** : No data available.
- 12.3 Bioaccumulative potential:**
- **Partition coefficient (n-octanol/water)** : No data is available on the product itself.
 - **Bioconcentration factor (BCF)** : No data is available on the product itself.
- 12.4 Mobility in soil** : No data is available on the product itself.
- 12.5 Results of PBT and vPvB assessment** : No data available

- 12.6 Other adverse effects** : None of the components are considered to be potentially damaging to the endocrine system.
- 12.7 Additional ecotoxicological information:**
- **Heavy-metal content** : Cu: <1.0% (metal-complex).

13. Disposal considerations

13.1 Waste treatment methods:

- **Product disposal:**
The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable product via a licensed waste disposal contractor.
- **Packaging:**
Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

14. Transport information

- 14.1 UN Number or ID number** : Not regulated as dangerous goods
- 14.2 UN Proper Shipping Name** : Not regulated as dangerous goods
- 14.3 Transport hazard class(es)** : Not regulated as dangerous goods
- 14.4 Packing group** : Not regulated as dangerous goods
- 14.5 Environmental hazards** : Marine pollutant (Yes/No) : No
- 14.6 Special precautions for user** : No special precautions are required for this product.
- 14.7 Maritime transport in bulk according to IMO instruments:** Not applicable for product as supplied.
- 14.8 Other information:**
Not a regulated product according to IATA.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- **For Direct Blue 201**

- **U.S. Regulation:**
TSCA inventory status : Listed
TSCA 12(b) export notification : Not listed
Cerla section 103 (40cfr302.4) : Not Reportable SARA section 302
(40cfr355.30) : Not Reportable SARA section 304
(40cfr355.40) : Not Reportable SARA section 313
(40cfr372.65) : Cu:2.74% OSHA process safety (29cfr1910.119):
Not Reportable State regulations:
California proposition 65 : Not Reportable
- **European Regulations:**
If the substance or mixture covered by this safety data sheet is the subject of specific provisions/regulations and is not shown in other sections, then it will be described in this subsection.

15.2 Chemical safety assessment

Chemical Safety Assessment has been carried out: No

16. Other information

16.1 Indication of changes:

- 1.1 Product identifier
- 2.3 Other hazards
- 3.1 Substance/preparation
- 11.1 Information on toxicological effects
- 12.6 Other adverse effects
- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- 16.2 Abbreviations and acronyms

16.2 Abbreviations and acronyms:

AOX: Halogenated organic compounds	CAS : Chemical Abstracts Service
DNEL: Derived no effect level	EC50: Half maximal effective concentration
HMIS: Hazardous Materials Identification System	IATA: International Air Transport Association
IC50: Half maximal inhibitory concentration	LC50 : Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

STOT: Specific Target Organ Toxicity

vPvB: very Persistent, very Bioaccumulative

ETA: The Ecological and Toxicological Association of Dyes and Organic Pigments
Manufacturers REACH: Registration, Evaluation, Authorisation and Restriction of
Chemicals Regulation (EC) no 1907/2006

SARA: Superfund Amendments and Reauthorization Act

OSHA: Occupational Safety and Health Act

PNEC: potential no effect concentration

TSCA : Toxic Substance Control Act

16.3 Key literature references and sources for data: No data is available

16.4 Classification for mixture and used evaluation method according to Globally Harmonized System (GHS).

16.5 Relevant H and EUH statements:

Hazard-determining components of labelling:

Direct Blue 201

H-Statements:

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Date of Issue: 13th April 2023

Reason for issue: Format change/Update

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Craft Explosion P/L cannot anticipate or control the conditions under which this information may be used. Each user should review the information in the specific context of the intended application. Craft Explosion P/L will not be responsible for damages of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those implied by Commonwealth, State or Territory Legislation.

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