MSDS 0314 Date of Issue/re-issue**: 13.01.2015**

User declaration:- I have read and understood this Safety Data Sheet

Name:-_____Signature_____Date_____

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name **ECP LTD**

Address: 39 Woodside Ave, Northcote, Auckland , New Zealand

Emergency Tel: NZ 0800154666	**Tel** +64 9 480 4386	**FAX** +64 9 480 4385

Product	**Haematoxylin**		**Code**	**0314**
CAS#	**HSNO#**	**UN #**	**DG Class/es**	**Packing group #**
517-28-2	HSR005381	n/a	n/a	n/a

Recommended use: Laboratory Investigations

2. Hazards Identification

2.1 GHS Classification

Acute toxicity, Oral (Category D)
Skin irritation (Category A)
Eye irritation (Category A)

2.2 GHS Label elements, including precautionary statements

Pictogram  Signal word Warning

Hazard statement(s)
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
Precautionary statement(s)
Prevention
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves.
Response
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
Disposal
P501 Dispose of contents/ container to an approved waste disposal plant.
2.3 Other hazards - none

Hazard Classification

Australia:
Not classified as Hazardous, according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport, according to the NZS 5433:1999 Transport of Dangerous Goods on Land.
HSNO Classification:
6.1C - Substance that is acutely toxic
6.9B - Substance that is harmful to human target organs or systems
9.3A - Substance that is very ecotoxic to terrestrial vertebrates

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

Ingredients	**Name**	**CAS**	**Proportion**
	Haematoxylin	517-28-2	100 %

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

Ingestion Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

First Aid Facilities Normal washroom facilities.

Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam or dry agent. Use water spray to cool fire exposed containers.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific Hazards	This product may burn if exposed to fire. This product in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Increase ventilation. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Sweep/vacuum up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Do not allow product to enter sewers, surface water or ground water. Wash surfaces well, with soap and water. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid generating dust. Use in designated areas with adequate ventilation. Label containers. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area. Store in labelled containers. Keep containers tightly closed. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The exposure limits for dust not otherwise specified are as follows: Australian National Occupational Health And Safety Commission (NOHSC) exposure standards: Dust TWA 10 mg/m³ (inspirable fraction)

	New Zealand Workplace Exposure Standards (OSH): Dust TWA 10 mg/m³ (inspirable fraction); TWA 3 mg/m³ (respirable fraction) TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
Biological Limit Values	No biological limit allocated.
Engineering Controls	Ensure sufficient ventilation to maintain airborne concentrations below exposure limits and prevent exposure to dusts. Mechanical exhaust ventilation may be required.
Respiratory Protection	Where sufficient ventilation is not available, avoid breathing dust by wearing an AS 1716 approved P1 or P2 particulate filter respirator. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection	Safety glasses with side shield protection or chemical goggles should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Impervious PVC or rubber gloves are recommended. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable work wear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Appearance	Orange brown powder.
Odour	Not available.
Melting Point	230°C (decomposes)
Boiling Point	Not available
Solubility in Water	Slightly soluble.
Specific Gravity	Not available.
pH Value	Not applicable.

Vapour Pressure	Negligible
Vapour Density (Air=1)	Not applicable
Evaporation Rate	Negligible
Flash Point	Not applicable
Flammability	Non-flammable. However, may burn if exposed to fire.
Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Turns red on exposure to light.
Conditions to Avoid	Avoid exposure to light.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Hazardous decomposition products include oxides of carbon.
Hazardous Reactions	Not available.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicology data available for this product.
Inhalation	Inhalation of dusts may irritate the respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Skin contact may cause mechanical irritation resulting in redness and itching.

Eye	May cause abrasive irritation in contact with the eyes, resulting in redness and itching.
Chronic Effects	Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available.
Persistence / Degradability	Not available.
Mobility	Not available.
Environment Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, EPA and state regulations.
Special precautions for landfill or incineration	Not available.

14. TRANSPORT INFORMATION

Transport Information	Australia; Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. New Zealand; Not classified as Dangerous Goods for transport according to the NZS 5433:1999 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

Regulatory Information	Australia: Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	Not Scheduled
National and or	New Zealand:

International Regulatory Information	Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazards) Regulations 2001. ERMA Approval Code: HSR005381, Hematoxylin.

16. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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