



1. Identification

Product Name:

Tribal Neon Flame Dye – Green Fire

Intended Use: Dye to be added to low boiling point alcohol (ethanol and methanol) to produce coloured flame used for fire performance art.

Manufacturer / Distributor – New Zealand:

Quintessence Developments Ltd

PO Box 20-349

Christchurch 8053, New Zealand

Phone 0064 3 354 6855

Email bob.foulkes@qdl.net.nz

2. Hazard Identification

WARNING

HSNO Hazard Classification:

6.1D – Oral toxic

6.3B – Skin irritant

6.4A – Eye irritant

6.8B – Reproductive toxic

9.1D – Aquatic ecotoxic

9.2D – Soil ecotoxic

HSNO Group Standard:

Additives, Process Chemicals, and Raw Materials (Subsidiary Hazard) Group Standard.

Statement of Hazardous Nature: Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.



Hazard Statements:

Harmful if swallowed

Causes mild skin irritation

Causes eye irritation

Suspected of damaging fertility if ingested

Harmful to aquatic life

Harmful to the soil environment

Precautionary Statements:

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wash hands thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves and eyewear (see Section 8 for further information)

Avoid release to the environment

Use personal protective equipment as required

3. Composition & Information on Ingredients

Ingredient	CAS Number	Proportion
Boric acid	10043-35-3	25 – 45% w/v
Triethanolamine	102-71-6	25 – 45% w/v
Blue colour	3844-45-9	<1% w/v
Yellow colour	1934-21-0	<1% w/v
Organic salts	Proprietary	<1% w/v
Non-hazardous substances		to 100%

4. First Aid Measures

Inhalation: If exposed or concerned get medical advice and/or attention.

Ingestion: If ingested contact your local poisons centre. Have the product label available. Do NOT induce vomiting.

Skin: Irritant. If irritation occurs remove contaminated clothing and wash the affected area of skin with soap and water. Obtain medical attention if irritation persists.

New Zealand
Poisons & Hazardous Chemicals National
Information Centre
 Phone: 0800 POISON / 0800 764 766 (24-hr)

Eyes: Irritant. If in eyes flush eye liberally with copious amounts of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If eye irritation persists obtain medical attention.

5. Fire Fighting Measures

Not flammable

Flash point: Not applicable

Extinguishing media: Water spray, fog or mist, Foam, Dry powder, Carbon dioxide

Flammability limits: Not applicable

Combustion products: Carbon oxides, Nitrogen oxides, Lithium oxide, Boranes

Auto-ignition temperature: Not applicable

HAZCHEM Code: Not applicable to small quantities

6. Spillage, Accidental Release Measures

Protect yourself and others from injury. Wear appropriate protective equipment (see section 8)

Spills: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Do not allow to enter water supplies, waste water or soil.

Contaminated equipment and clothing should be thoroughly cleaned before re-use or disposed of.

7. Handling & Storage

Safe Handling

Avoid skin and eye contact during use and manufacture.

Approved Handler: Not Required.

Storage

Keep in cool, dry, ventilated storage and closed containers. Store away from incompatibles.

8. Exposure Controls & Personal Protection

Exposure Standards

New Zealand Workplace Exposure Standards (WES):

Triethanolamine – WES-TWA, 5mg.m⁻³

Engineering Controls

None specified

PPE

Respiratory: None expected during normal use. Wear a half face mask suitable for organic vapour if exposure is likely to exceed guidelines.

Eyes/Face: None required during normal use. Wear safety glasses during manufacture or if splashes are likely to occur.

Skin: Wear disposable latex gloves during addition of dye to fluid and during manufacture.

9. Physical & Chemical Properties

Appearance: Clear, green liquid

Odour: Faint ammoniacal detergent

pH: Not determined

Vapour pressure: Not determined

Vapour density: Not determined

Boiling point: Not determined

Freezing point: Not determined

Solubility (water): Miscible with water and low boiling point alcohols

Specific gravity: Not determined

Flash point: Not applicable

10. Stability & Reactivity

Stability: Stable

Conditions to avoid: None expected

Materials to avoid: Potassium, Acid anhydrides, **Strong oxidizing agents, Strong acids**

Hazardous decomposition products: Not applicable

Hazardous polymerisation: Not applicable

Corrosiveness: Not determined

11. Toxicological Information

Health Effects / Symptoms of Exposure

Target Organs: Skin, eyes, and reproductive system.

Inhalation: None specified

Skin: Skin irritant.

Eyes: Eye irritant

Ingestion: Oral toxicity. May reduce fertility.

Toxicological Data*

LD50 (Triethanolamine) (Oral, Rabbit) 2200 mg/kg

LD50 (Boric Acid) (Oral, Mouse) 466 mg/kg

* Data source: NZ HSNO Chemical Classification Information Database (CCID)

12. Ecological Information

Do not allow to enter water supplies, waste water or soil.

Bioaccumulation*: No data available

Degradability*: No data available

Ecotoxicity Data*

EC50 (Triethanolamine) (Soil, Bacteria) 525mg/L

* Data source: NZ HSNO Chemical Classification Information Database (CCID)

13. Disposal Considerations

Dispose of as hazardous waste in accordance with local regulatory requirements.

Packaging: Treat to render non-hazardous or dispose of as hazardous waste.

14. Transport Information

Proper Shipping Name: Not Applicable

DG Class: Not a dangerous good

UN Number: Not applicable

Packing Group: Not applicable

15. Regulatory Information

Exposure Limits: None specified

HSNO Approval Number: HSR002503

HSNO Group Standard: Additives, Process Chemicals, and Raw Materials (Subsidiary Hazard) Group Standard.

16. Other Information

This SDS has been produced by Chemsafety Ltd for Quintessence Developments Ltd.

This SDS has been prepared in accordance with the 'New Zealand Chemistry Council, Approved Code of Practice for the Preparation of Safety Data Sheets under the HSNO Act 1996, HSNO CoP 8-1 09-06'.

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. Users must satisfy themselves that the product is entirely suitable for their purpose.

SDS may be revised from time to time, please ensure you have a current copy.

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