

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Light Green SF yellowish, C.I. 42095.  
**Catalogue Number:** C121; C1211; C1215.  
**Other Names:** Acid Brilliant Green 5; Acid Green 5; FD&C Green Number 2; Food Green 2; Pencil Green SF C.I.42095; Light Green SF yellowish.  
**Recommended Use:** Laboratory stain.

**Supplier Name:** ProSciTech  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)  
**Emergency Contact:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:**  
 Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].  
**Hazardous and/or Dangerous Nature:**  
 NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.  
**Risk Phrases:** Not available.  
**Safety Phrases:** S24/25 Avoid contact with skin and eyes.

## SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

**Pure Substance (Proportion 100%):**  
**Chemical Identity:** Light Green SF yellowish  
**Common Name(s):** Acid Brilliant Green 5; Acid Green 5; FD&C Green Number 2; Food Green 2; Pencil Green SF C.I.42095; Light Green SF yellowish.  
**CAS Number:** 5141-20-8

## SECTION 4 - FIRST AID MEASURES

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.  
**Inhalation:** Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.  
**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.  
**First Aid Facilities:** Eyebath/eyewash, Safety shower & general washroom facilities.  
**Medical Attention & Special Treatment:**  
 Absorption of this product into the body may cause cyanosis (bluish discoloration of the skin due to deficient oxygenation of the blood). Moderate degrees of cyanosis need to be treated only by supportive measures: bed rest and oxygen inhalation. Cleansing of the entire contaminated area of the body is of utmost importance.  
**Additional Information:**  
 Purple solid. CAUTION! Prolonged or repeated contact causes defatting of the skin with irritation, dryness, and cracking. May cause eye irritation. May cause respiratory and digestive tract irritation.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**  
 For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.  
**Hazards from Combustion Products:**  
 Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.  
**Precautions for Fire Fighters:**  
 As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Containment & Clean up:

Use proper personal protective equipment as indicated in Section 8. Sweep up, and then place into a suitable container for disposal. Avoid generating dusty conditions.

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

### Precautions for Safe Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** No exposure standard allocated.

### Engineering Controls:

Good general ventilation should be sufficient to control airborne levels. Local exhaust may be necessary to control concentrations to acceptable levels.

### Personal Protective Equipment:

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Purple solid.
<b>Odour:</b>	None reported.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at °C):</b>	Negligible.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	228°C
<b>Solubility:</b>	Soluble in water.
<b>Specific gravity or density:</b>	Not available.
<b>Molecular Weight:</b>	792.4056
<b>Chemical Formula:</b>	C <sub>37</sub> H <sub>34</sub> N <sub>20</sub> S <sub>3</sub> Na <sub>2</sub>
<b>Decomposition temperature:</b>	228°C.

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions of use.

**Conditions to avoid:** Incompatible materials, excess heat.

**Incompatible Materials:** Strong oxidizing agents.

### Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.

**Hazardous Reactions:** Has not been reported.

**SECTION 11 - TOXICOLOGICAL INFORMATION****Exposure and Health Effects:**

Purple solid. CAUTION! Prolonged or repeated contact causes defatting of the skin with irritation, dryness, and cracking. May cause eye irritation. May cause respiratory and digestive tract irritation.

Chronic Effects: Possible cancer hazard based on tests with laboratory animals. Prolonged or repeated exposure may cause adverse reproductive effects.

**Ingestion:**

May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.

**Inhalation:**

May cause respiratory tract irritation.

**Eye Contact:**

Contact may cause transient eye irritation.

**Skin Contact:**

Prolonged and/or repeated contact may cause irritation and/or dermatitis.

**Human/Animal data:** LD50/LC50: CAS# 5141-20-8: / Oral rat LD50 = >2gm/1g;

**Carcinogenic Category:** Group 3: Not classifiable as to its carcinogenicity to humans.

**Other Carcinogenic** Not available.

**Information:****SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.

**Persistence and degradability:** No data available.

**Mobility:** No data available.

**SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal Methods:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:** Not regulated.

**UN Proper Shipping Name:** Not regulated.

**Class and Subsidiary risk:** Not regulated.

**Packing Group:** Not regulated.

**Special Precautions for User:** Not available.

**Hazchem Code:** Not available.

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None Allocated.

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** 18 January 2012

**Comments:****List of Publications referenced when creating this MSDS;**

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

*This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.*

**... End of MSDS ...**