

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Sudan Black.
Catalogue Number: C080, C0801, C0805.
Other Names: Flat Black HB, Sudan Black B, Solvent Black 3, C.I. 26150.
Recommended Use: Stain for electron microscopy.

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.
 S37 Wear suitable gloves.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S28 After contact with skin, wash immediately with plenty of water.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Pure Substance (Proportion 100%):

Chemical Identity: Sudan Black B.
Common Name(s): Flat Black HB, Sudan Black, Solvent Black 3, C.I. 26150.
CAS Number): 4197-25-5

Mixture Substance:

Ingredients	Cas Number(s)	Proportion (%)
Sudan Black B	4197-25-5	100

SECTION 4 - FIRST AID MEASURES

Ingestion: Get immediate medical attention. Never give anything by mouth to an unconscious person. Do Not induce vomiting. If conscious and alert, rinse mouth and give 2-4 glasses of water or milk to drink.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, moving the upper and lower eyelids. Seek medical attention if irritation persists.

Skin Contact: 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. Wash clothing before reuse.

First Aid Facilities: Eyebath/eyewash.

Medical Attention & Special Treatment: Treat symptomatically and supportively.

Additional Information: Not available.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide or appropriate foam.

Hazards from Combustion Products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide. Dusts at sufficient concentrations can form explosive mixtures with air.

Precautions for Fire Fighters:

Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Emergency Procedures:**

Clean up spills immediately.

Containment & Clean up:

Use proper protective equipment as indicated in Section 8. Remove all sources of ignition. Avoid generating dusty conditions. Provide adequate ventilation. Vacuum or sweep up the material and place into a suitable disposal container.

SECTION 7 - HANDLING & STORAGE**Precautions for Safe Handling:**

Wash thoroughly after handling. Use with adequate ventilation. Minimise dust generation and accumulation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Precautions for Safe Storage:

Keep away from sources of ignition. Store in tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances and heat. Keep containers tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Use only in a well-ventilated area.

Personal Protective Equipment:

Wear protective eyeglasses or chemical safety goggles, protective gloves, appropriate protective clothing and (if ventilation is insufficient) wear an MSHA/NIOSH approved respirator.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Very dark brown to black powder.

Odour: None reported.

pH: Not available.

Vapour pressure (mm of Hg at °C): Not available.

Vapour density: Not available.

Boiling point/range (°C): Not available.

Freezing/melting point (°C): 120-124°C.

Solubility: Not available.

Specific gravity or density: Not available.

Flash Point: Not available.

Flammable (explosive) limits: Not available.

Ignition temperature: Not available.

Additional Information: No additional information found.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: High temperatures, incompatible materials, dust generation.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Reactions: Will not occur if the material is stored appropriately.

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

May be harmful, the properties of this material have not been fully investigated.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation, may be harmful if inhaled.

Eye Contact:

May cause irritation to eyes.

Skin Contact:

May cause irritation to the skin. May be harmful if absorbed through the skin.

Human/Animal data: No data available.

Carcinogenic Category: No data available to classify Carcinogenic Category.

Other Carcinogenic Information: No data available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Consult Local, State and Federal regulations before disposing of this material.

Special Precautions/Additional Informational:

Consult Local, State and Federal regulations before disposing of this material.

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: September 10

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.

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 2nd 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.