

Safety Data Sheet

SUDAN BLACK B STAINING SOLUTION

Section 1 - Chemical Product and Company Identification

SDS Name: Sudan Black B Staining Solution
Catalog Numbers: H-502-1
Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923
For information, call: 978-739-4883
Emergency Number: 800-424-9300
For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

HEALTH HAZARDS

H303-Acute Oral Toxicity: 5
H316-Skin Corrosion/Skin Irritation: 3
H320-Eye damage/Irritation: 2B

Pictograms or Hazard symbols



Warning! May be harmful if swallowed.
Causes eye irritation.
Causes mild skin irritation.

Precautionary Statement

P264 Wash thoroughly after handling.
P305 + P351 + P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists, get medical advice/attention

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
4197-25-5	Sudan Black B	≤ 0.7% w/v
57-55-6	Propylene Glycol	100 v/v

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperatura: 371 °C (699.8 °F)

Flash Points: CLOSED CUP: 99°C(210.2 °F). OPEN CUP: 107 °C (224.6°F)

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear. Eliminates all sources of ignition.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at Room temperature. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits OSHA Vacated PELs:

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: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid. (Oil liquid)

Appearance: Black

Odor: Odorless.

pH: N/A

Vapor Pressure: 0 kPa @ 20 °C 0.08 mmHg at 20 C 0.129 mmHg at 25 C

Vapor Density: 2.62

Evaporation Rate: N/A

Boiling Point: 188 °C (370.4 deg. F)

Solubility: Miscible.

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, ignition sources, excess heat, oxidizers.

Incompatibilities with Other Materials: Reactive with oxidizing agents, reducing agents, acids, alkalis.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

TECS#:

CAS# 4197-25-5

LD50/LC50: No data available

CAS# 57-55-6

LD50/LC50:

Oral, Rat: 20000 mg/kg

Oral, Mouse: 22000 mg/kg

Dermal, Rabbit: 20800 mg/kg

Mutagenic: CAS: 57-55-6: May affect genetic material,

Teratogenic: CAS: 57-55-6: May cause adverse reproductive affects and birth defects based on animal test data.

.Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

CAS#4197-25-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 57-55-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Ecotoxicity: in water (LC50) : >5000 mg/l 24 hours (Goldfish) >10000 mg/l 48 hours (guppy), >10000 mg/l 48 hours (water flea)

Environmental: Possible hazardous short term degradation products are not likely. However, long term degradation products may arise.

Physical: No information available.

Other: No information available.

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

California Prop 65

European/International Regulations

European Labeling in Accordance with EC Directives.

Hazard Symbols: Xi (Irritant.)

Risk Phrases:

R36/38 Irritating to eyes and skin

Safety Phrases:

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children

S 33 Take precautionary measures against static discharges.

S 7 Keep container tightly closed.

S 9 Keep container in a well-ventilated place

Section 16 - Additional Information

MSDS Creation Date: 10/20/12

Revision #1. 12/5/14 RC

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