

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Sudan IV, C.I. 26105.  
**Catalogue Number:** C144, C1441, C1445.  
**Other Names:** 1-((4-(o-tolylazo)-o-tolyl)azo)-2-Naphthol \* Biebrich Scarlet BPC \* Biebrich Scarlet Red \* Biebrich Scarlet R medicinal \* Brasilazina Oil Red B \* Calco Oil Red D \* Candle Scarlet B \* Candle Scarlet 2B \* Candle Scarlet G \* Ceres Red BB \* Cerotine Ponceau 3B \* Cerven rozpousedlova 24 (Czech) \* C.I. 258 \* C.I. 26105 \* C.I. Solvent Red 24 \* 2',3-Dimethyl-4-(2-hydroxynaphthylazo)azobenzene \* Dispersol Red PP \* Enial Red IV \* Fast Oil Red B \* Fast Red BB \* Fat Ponceau R \* Fat Red B \* Fat Red 2B \* Fat Red BB \* Fat Red BS \* Fat Red TS \* Grasal Brilliant Red B \* Grasan Brilliant Red B \* Hidaco Oil Red \* Lacquer Red V \* Lacquer Red VS \* Lipid Crimson \* 1-((2-Methyl-4-((2-methylphenyl)azo)phenyl)azo)-2-naphthalenol \* Oil Red IV \* Oil Red 3 \* Oil Red 7 \* Oil Red 47 \* Oil Red 282 \* Oil Red A \* Oil Red APT \* Oil Red 2B \* Oil Red 3B \* Oil Red BB \* Oil Red 4B \* Oil Red BS \* Oil Red D \* Oil Red ED \* Oil Red F \* Oil Red GO \* Oil Red PEL \* Oil Red RC \* Oil Red RR \* Oil Red S \* Oil Red TAX \* Oil Red ZD \* Oil Scarlet \* Oil Scarlet 48 \* Oleal Red BB \* Organol Red B \* Orient Oil Red RR \* Phenoplaste Organol Red B \* Plastoresin Red F \* Red 3R soluble IN grease \* Resinol Red 2B \* Rubrum scarlatinum \* Resoform Red G \* Sarlach R (Czech) \* Scarlet Red \* Scarlet red, biebrich \* Scarlet R (michaelis) \* Scharlachrot \* Schultz No. 541 \* Silotras Red T3B \* Somalia Red IV \* Stearix Red 4B \* Stearix Red 4S \* Sudan IV \* Sudan P \* Sudan Red IV \* Sudan Red 4BA \* Sudan Red BB \* Sudan Red BBA \* Tertrogras Red N \* o-Tolueneazo-o-tolueneazo-beta-naphthol \* o-T

**Recommended Use:** Biological Staining.

**Supplier Name:** ProSciTech  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 **Fax Number:** (07) 4773 2244  
**Emergency Contact:** (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

### SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** Hazardous according to criteria of NOHSC.  
**Hazardous and/or Dangerous Nature:** HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.  
**Risk Phrases:** R36/38: Irritating to eyes and skin.  
**Safety Phrases:** S26-36: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**SUBSTANCE:** **Chemical Identity:** Sudan IV.  
**Common Name(s):**  
**CAS Number(s):** 85-83-6

**MIXTURE:**

Ingredients	Cas Number(s)	Proportion (%)
Sudan IV	85-83-6	90-100

## SECTION 4 - FIRST AID MEASURES

<b>Swallowed:</b>	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Eye:</b>	Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.
<b>Skin:</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thorough cleansing of the entire contaminated area of the body including scalp and nails is of the utmost importance.
<b>Inhaled:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Prompt action is essential.
<b>First Aid Facilities:</b>	Eyebath/eyewash & Safety shower.
<b>Medical Attention &amp; Special Treatment:</b>	

ADDITIONAL INFORMATION:

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use water spray, carbon dioxide, dry chemical powder or appropriate foam.
<b>Hazards from Combustion Products:</b>	Not expected to be a fire hazard. Emits toxic fumes under fire conditions.
<b>Precautions for Fire Fighters:</b>	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. The protective clothing should prevent contact with skin and eyes.
<b>Hazchem Code:</b>	Not available.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Emergency Procedures:

#### Containment and clean up:

Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Wear disposable coveralls and discard them after use. Sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Handling operations should be conducted in a chemical fume hood. Do not add any other material to the container. Do not wash down the drain. Do not allow smoking and food consumption while handling. Do not get in eyes, on skin, or on clothing. Wash thoroughly after use. Since empty container retains product residue, follow label warnings even after container is empty.

### Conditions for Safe Storage:

Keep container tightly closed. Store in cool, dry, well-ventilated area away from heat, sparks, or flame

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards:</b>	No exposure standard allocated.
<b>Biological Limit Values:</b>	No biological limit allocated.
<b>Engineering Controls:</b>	Safety shower and eye bath. Mechanical exhaust required.
<b>Personal Protective Equipment:</b>	Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Hand Protection: Compatible chemical-resistant gloves. Eye Protection: Chemical safety goggles.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	Dark red-brown solid powder.
<b>Odour:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at 25°C):</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	MP 199°C.
<b>Solubility:</b>	Not available.
<b>Specific gravity or density:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Additional Information:</b>	

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Heat, dusting, moisture.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, Carbon dioxide and Nitrogen oxides.
<b>Hazardous Reactions:</b>	Will not occur.

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

May be harmful if swallowed. Exposure can cause: Stomach pains, vomiting and diarrhea.

**Inhalation:**

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Skin Contact:**

Causes skin irritation. May be harmful if absorbed through the skin.

**Eye Contact:**

Causes eye irritation.

**Human/Animal data:**

Hamster:  
100 MG/L  
Cell Type: Embryo  
Morphological transformation.  
ZINCL: Histidine reversion (Ames)  
Rat:  
Route of Application: Subcutaneous  
Exposure Time: 58W  
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

**Carcinogenicity:**

Group 3 Carcinogen: Unclassifiable as to carcinogenicity in humans.

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Not available.
<b>Persistence and degradability:</b>	Not available.
<b>Mobility:</b>	Not available.
<b>Additional Information:</b>	Not available.

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

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

**Special Precautions:**

**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: August 10  
Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.