



## MATERIAL SAFETY DATA SHEET

Sudan  
Sudan II  
1050

### \*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*

SDS Name: Sudan II

C.I. 12140, 1-(2,4-Dimethylphenylazo)-2-naphthol, Solvent Orange 7  
Company Identification: Acros Organics N.V.  
One Reagent Lane  
Fairlawn, NJ 07410  
For information in North America, call: 800-ACROS-01  
For emergencies in the US, call CHEMTREC: 800-424-9300

### \*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS#	Chemical Name	%	EINECS#
3118-97-6	Sudan II	100.0	221-490-4

Hazard Symbols: XN  
Risk Phrases: 33

### \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

#### EMERGENCY OVERVIEW

Appearance: bordeaux.  
Caution! The toxicological properties of this material have not been fully investigated. May cause reproductive effects based upon animal studies. May cause irritation.  
Target Organs: None known.

#### Potential Health Effects

##### Eye:

May cause eye irritation.

##### Skin:

May cause skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

##### Ingestion:

The toxicological properties of this substance have not been fully investigated.

##### Inhalation:

The toxicological properties of this substance have not been fully

investigated. Inhalation of dust may cause respiratory tract irritation.

Chronic:

No information found.

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin:

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

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.

Notes to Physician:

Treat symptomatically and supportively.

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions.

\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

Handling:

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

Storage:

Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

#### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sudan II	none listed	none listed	none listed

#### OSHA Vacated PELs:

Sudan II:

No OSHA Vacated PELs are listed for this chemical.

#### 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 AND CHEMICAL PROPERTIES \*\*\*\*

Physical State:	Crystals
Appearance:	bordeaux
Color:	None reported.
Odor:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Evaporation Rate:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	166 deg C
Decomposition Temperature:	Not available.
Solubility:	Insoluble.
Specific Gravity/Density:	Not available.
Molecular Formula:	C18H16N2O
Molecular Weight:	276.33

#### \*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

##### Chemical Stability:

Stable under normal temperatures and pressures.

##### Conditions to Avoid:

Incompatible materials, dust generation, strong oxidants.

##### Incompatibilities with Other Materials:

Strong oxidizing agents.

##### Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

#### \*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

RTECS#:

CAS# 3118-97-6: QL5850000

LD50/LC50:

Not available.

Carcinogenicity:

Sudan II -

IARC: Group 3 carcinogen

Epidemiology:

No data available.

Teratogenicity:

No data available.

Reproductive Effects:

Experimental reproductive effects have been observed.

Neurotoxicity:

No data available.

Mutagenicity:

Mutation data reported.

Other Studies:

No data available.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

Ecotoxicity:

Not available.

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

dispose of in a manner consistent with federal, state, and local regulations.

RA D-Series Maximum Concentration of Contaminants:

None listed.

RA F-Series Chronic Toxicity Reference Levels: None

None listed.

RA F-Series: None listed.

RA P-Series: None listed.

RA U-Series: None listed.

Not listed as a material banned from land disposal

according to RCRA.

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

US DOT

No information available

IMO

Not regulated as a hazardous material.

IATA

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Canadian TDG

No information available.

\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

US FEDERAL

TSCA

CAS# 3118-97-6 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

This material contains Sudan II (CAS# 3118-97-6, 100 0%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

Sudan II can be found on the following state right to know lists:

California, New Jersey, Pennsylvania, Massachusetts.

California No Significant Risk Level:

None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 33 Danger of cumulative effects.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 3118-97-6: No information available.

Canada

CAS# 3118-97-6 is listed on Canada's DSL/NDSL List.

WHMIS: Not available.

CAS# 3118-97-6 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

MSDS Creation Date: 3/01/1994 Revision #3 Date: 9/02/1997

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