



HAZTECH
SYSTEMS,™
INC.

Material Safety Data Sheet



NFPA

HMIS

Health Hazard	2
Fire Hazard	1
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Common Name/Trade Name **Mustard Test 2** Part # RE2141

Manufacturer HazTech Systems, Inc. CAS # 85-86-9
P.O. Box 929 RTECS QK4250000
Mariposa, CA. 95338 TSCA TSCA 8(b) inventory: Sudan III

Commercial Name Sudan III, Solvent Red 23

Synonym 1-((4-(phenylazo)phenyl)azo)-2-naphthalenol CI # 26100

Chemical Name Not available. In case of emergency contact CHEMTREC (24 hours) at 800-424-9300

Chemical Family Not available. HazTech Systems, Inc. 800-337-2497

Chemical Formula C₂₂H₁₆N₄O Spectrum Chemical Mfg. Corp. 310-516-8000

Supplier Spectrum Chemical Mfg. Corp.
14422 S. San Pedro St.
Gardena, CA 90248

Section 2. Composition and Information on Ingredients

Name	CAS #	TWA (mg/m ³)	Exposure Limits		% by Weight
			STEL	CEIL (mg/m ³)	
1) Sudan III	85-86-9				100
Toxicological Data on Ingredients	Sudan III <input type="checkbox"/> <input type="checkbox"/> LD ₅₀ : Not available. <input type="checkbox"/> LC ₅₀ : Not available.				

Section 3. Hazards Identification

Potential Acute Health Effects Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering and itching. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Potential Chronic Health Effects Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
 Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

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Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation Not available.

Ingestion Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion Not available.

Section 5. Fire and Explosion Data

Flammability May be combustible at high temperature.

Auto-Ignition Temperature Not available.

Flash Point Not available.

Flammable Limits Not available.

Products of Combustion These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂).

Fire Hazards in Presence Not available.

of Various Substances

Explosion Hazards in Presence Risk of explosion of the product in presence of mechanical impact: Not available.

of Various Substances Risk of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media SMALL FIRE: Use DRY chemical powder.

and Instructions LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Not available.

Fire Hazards

Special Remarks on Not available.

Explosion Hazards

Section 6. Accidental Release Measures

Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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Section 7. Handling and Storage

- Precautions** Keep away from heat. Keep away from sources of ignition. Empty containers pose a risk, evaporate the residue under a fume hood.
Ground all equipment containing material. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory
equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.
- Storage** Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

- Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below
recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure
to airborne contaminants below the exposure limit.
- Personal Protection** Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
- Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used
to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist
BEFORE handling this product.

Exposure Limits Not available.

Section 9. Physical and Chemical Properties

- | | |
|---|---|
| Physical State and Appearance <input type="checkbox"/> Solid | Volatility Not available. |
| <input type="checkbox"/> | |
| Molecular Weight 352.4 g/mole | Odor Threshold Not available. |
| pH (1% Solution in Water) Not available. | Water/Oil Dist. Coeff. Not available. |
| Boiling Point Not available. | Ionicity (in Water) Not available. |
| Melting Point Decomposes. | Dispersion Properties Not available. |
| Critical Temperature Not available. | Solubility <input type="checkbox"/> Not available. |
| Specific Gravity Not available. | <input type="checkbox"/> |
| Vapor Pressure Not applicable. | Odor Not available. |
| Vapor Density Not available. | Taste Not available. |
| | Color Not available. |

Section 10. Stability and Reactivity Data

- Stability** The product is stable.
- Instability Temperature** Not available.
- Conditions of Instability** Not available.
- Incompatibility with Various Substances** Not available
- Corrosivity** Non-corrosive in presence of glass.
- Special Remarks on Corrosivity** Not available.
- Polymerization** No.

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Section 11. Toxicological Information

Route of Entry Eye contact. Inhalation. Ingestion.

Toxicity to Animals LD50: Not available.

LC50: Not available.

Chronic Effects on Humans Not available.

Other Toxic Effects on Humans Very hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals Not available.

Special Remarks on Chronic Effects on Humans Not available.

Special Remarks on Other Toxic Effects on Humans Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation Possible hazardous short term degradation products are not likely. However, long term
degradation products may arise.

Toxicity of the Products of Biodegradation The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Disposal

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for Transport Not applicable.

DOT (Pictograms)



Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: Sudan III

California Proposition 65 Warnings

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

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Other Classifications WHMIS (Canada) CLASS D-2B: Material causing other toxic effects (TOXIC)
 DSCL (EEC) R38- Irritating to skin.
 R41- Risk of serious damage to eyes.

HMIS (U.S.A.)

National Fire Protection
Association (U.S.A.)

Flammability

Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	E

WHMIS (Canada)
(Pictograms)DSCL (Europe)
(Pictograms)TDG (Canada)
(Pictograms)ADR (Europe)
(Pictograms)

Protective Equipment



Gloves



Lab Coat



Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.



Splash goggles.

Section 16. Other Information

Catalog Number(s) MSDS Code S5090

References Not available.

Other Special Considerations Not available.

Validated by Sonia Owen on 2/5/2002.

Verified by Sonia Owen. Printed 2/26/2002.

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.