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[www.deltaeducation.com](http://www.deltaeducation.com)

Dear Educator,

This file contains the Safety Data Sheets (SDS) for FOSS TREES AND WEATHER, 3<sup>rd</sup> Edition as of July 24, 2017

Because kit contents can sometimes be replaced, we recommend searching our online portal of SDS for current sheets as you need them. To make that searching easier, we have provided a listing below of the items with SDS in this kit.

Portal: <http://www.schoolspecialty.com/sds>

<b>Part Number to Search</b>	<b>Item Description</b>
200-3858	Thermometer

Note: The part numbers to search for in the portal are often not the same part numbers used to order replacements. To order replacements, please visit [www.deltaeducation.com/refillcenter](http://www.deltaeducation.com/refillcenter)

If you have any questions, please contact Customer Care at 800-258-1302 for assistance.



The Chemical Company

## Safety data sheet Sudan<sup>®</sup> M Red 380

Revision date : 2007/01/05  
Version: 2.0

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(30054677/MDS\_GEN\_US/EN)

### 1. Substance/preparation and company identification

Company :  
BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

Chemical family: azo dyes  
Synonyms: C.I. Solvent Red 24, C.I. 26105

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
85-83-6	>= 93.0 - <= 98.0 %	SOLVENT RED 24
842-07-9	>= 2.0 - <= 7.0 %	SOLVENT YELLOW 14

### 3. Hazard identification

#### Emergency overview

CAUTION: May cause sensitization by skin contact.  
Avoid inhalation of dusts.  
Use with local exhaust ventilation.  
Wear a NIOSH-certified (or equivalent) particulate respirator.  
Wear NIOSH-certified chemical goggles.  
Wear protective clothing.

#### Potential health effects

##### Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

##### Repeated dose toxicity:

No other known chronic effects.

### 4. First-aid measures

#### General advice:

Immediately remove contaminated clothing.

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**If inhaled:**

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**

Wash affected areas thoroughly with soap and water. Seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

**If swallowed:**

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### 5. Fire-fighting measures

Autoignition: No data available.

Suitable extinguishing media:  
dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

**Additional information:**

Avoid whirling up the material/product because of the danger of dust explosion.

**Hazards during fire-fighting:**

harmful vapours  
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

### 6. Accidental release measures

**Personal precautions:**

Avoid dust formation. Use personal protective clothing.

**Environmental precautions:**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Cleanup:**

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

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### 7. Handling and storage

#### Handling

**General advice:**  
Closed containers should only be opened in well-ventilated areas.

**Protection against fire and explosion:**  
Avoid dust formation. Take precautionary measures against static discharges.

#### Storage

**General advice:**  
Keep container tightly closed and dry; store in a cool place.

### 8. Exposure controls and personal protection

**Advice on system design:**  
Provide local exhaust ventilation to control dust.

#### Personal protective equipment

**Respiratory protection:**  
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

**Hand protection:**  
Chemical resistant protective gloves

**Eye protection:**  
Tightly fitting safety goggles (chemical goggles).

**Body protection:**  
Impermeable protective clothing

**General safety and hygiene measures:**  
Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and chemical properties

Form:	powder	
Odour:	product specific	
Colour:	red	
pH value:	approx. 7	( 10 g/l, 20 °C) (as suspension)
melting range:	180 - 190 °C	
Solubility in water:		insoluble
Solubility in other solvents:	< 1 g/l	( 20 °C)

### 10. Stability and reactivity

**Conditions to avoid:**  
Avoid moisture.

**Substances to avoid:**  
No substances known that should be avoided.

**Hazardous reactions:**  
The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.

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#### Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

#### Thermal decomposition:

260 °C

Thermal decomposition above the indicated temperature is possible.

#### Corrosion to metals:

No corrosive effect on metal.

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## 11. Toxicological information

### Acute toxicity

#### Oral:

LD50/rat: > 5,000 mg/kg

#### Skin irritation:

rabbit: non-irritant (Draize test)

#### Eye irritation :

rabbit: non-irritant (Draize test)

#### Sensitization:

sensitizing

### Chronic toxicity

#### Other information:

With azo dyes there is a suspicion that the azo groups can be enzymatically cleaved in the body. This substance can lead to the formation of another substance. The toxic properties of the subsequent product could be considered.

#### *Information on: Ortho-Toluidine*

*Evidence for Genotoxicity in vitro available (Ames test positive).*

*Carcinogenic in animal tests after oral administration.*

*During animal tests methaemoglobin formation was observed.*

*Skin resorption hazard.*

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## 12. Ecological information

### Environmental fate and transport

#### Biodegradation:

Evaluation:

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment pits.

#### Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

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#### 13. Disposal considerations

**Waste disposal of substance:**

Incinerate in a licensed facility.  
Do not discharge substance/product into sewer system.  
Dispose of in a RCRA-licensed facility.  
Must be dumped or incinerated in accordance with local regulations.

**Container disposal:**

Untampered packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.  
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: NONE

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#### 14. Transport information

**Land transport**  
*USDOT*

Not classified as a dangerous good under transport regulations

**Sea transport**  
*IMDG*

Not classified as a dangerous good under transport regulations

**Air transport**  
*IATA/CAO*

Not classified as a dangerous good under transport regulations

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#### 15. Regulatory information

Federal Regulations

**Registration status:**

TSCA, US released / listed

TSCA, US released / listed

**OSHA hazard category:** Acute target organ effects reported, Sensitizer

**SARA hazard categories (EPCRA 311/312):** Acute

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#### 16. Other information

**HMIS III rating**

Health: 1      Flammability: 1      Physical hazard: 0

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HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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