



The Chemical Company

Safety data sheet

Sudan[®] 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.

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.

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

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

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

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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