



1. Identification of substance:

Trade name: Diffusions Red 200 (Height temperature)

Article number: CDR

Manufacturer/Supplier

Manufacturer/distributor

Helmut Klumpf

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Advice:

Helmut Klumpf, Techn. Chemie KG, H. Klumpf

Emergency advice:

As stated above or next emergency phone

2. Hazards identification

Hazards designation:

None

Information pertaining to particular dangers for man and environment:

None

3. Composition/information on ingredients

Chemical characterization (preparation):

Penetrant with agent of:

Trimethylolpropane and red azo dyes.

CAS-No.	Name of chemical	EINECS-number	EWG-no.	weight %	Symbols	R-phrases
56358-09-9	azo dyes C.I.: Solvent Red 19			< 1	Xn	40

4. First aid measures

General information:

Change soaked clothes and clean them before putting on.

After inhalation:

Ensure supply of fresh air.

In the event of symptoms refer for medical treatment.

After skin contact:

In case of contact with skin wash off with soap and water.

After eye contact:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After swallowing

Do not induce vomiting; instantly call for medical help. Instantly call for doctor

5. Fire-fighting measures

Suitable extinguishing material:

ABC powder, foam, carbon dioxide.

Extinguishing material that must not be used for safety reasons:

Full water jet.



Special exposure hazards extinguishing from the substance or preparation itself, combustible products or resulting gases:

None

Special protective equipment for fire fighters:

None

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions:

Do not discharge into the subsoil/soil.

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up:

Take up with absorbent material(e.g. sand, sawdust, kieselguhr, general-purpose binder).

7. Handling and storage

Advice on safe handling:

Provide good room ventilation even at ground level (vapours are heavier than air).

Advice on protection against fire and explosion:

Keep away from sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.

Storage:

Requirements for storage rooms and vessels:

Keep container in a well-ventilated place.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container in a well-ventilated place.

8. Exposure controls/personal protection

Additional information about of technical systems:

No other information's, see point 7.

Ingredients with occupational exposure limits to be monitored:

CAS - NR.	Name of chemical	%	Code	Value	Unit
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No applicable

Additional information's:

None

Personal protection equipment:

Respiratory protection:

Respiratory protection in the event of aerosol or mist formation.

Hand protection:

Gloves (oil-resistant)

Skin Protection:

Light protective clothing.

Eye protection:

Tightly fitting goggles

General protective measures:

Avoid contact with eyes.
Avoid prolonged and/or repeated contact with skin.

Hygiene measures:

At work do not eat, drink, smoke, or take drugs.
Remove soiled or soaked clothing immediately.
Cloths contaminated with product should not be kept in trouser pockets.

9. Physical and chemical properties

General Information

Form: Liquid Colour: dark red Smell: characteristic

Data relevant for safety:

Boiling range:	ca. 390	°C	(DIN 53 171)
Flash point:	> 300	°C	(DIN 51 758)
Ignition temperature:	> 450	°C	(DIN 51 794)
Explosion limits	Lower e.l.:	Vol. %	
	Upper e.l.:	Vol. %	
Vapour pressure (20°C):	No data are available.	mbar	
Density (20°C):	0,92	g/cm ³	(DIN 51 757)
Solubility in water (20°C):	not soluble		
Viscosity (20°C):	41	mm ² /s	

10. Stability and reactivity

Conditions to avoid:

No decomposition if used correctly. No reactions by normal use

Materials to avoid:

No hazardous reactions known.

Hazardous decomposition products:

Ammonia

11. Toxicological information

Toxicity test:

Acute Toxicity:

Irritability/Corrosiveness:

Skin: Slight irritation

Eye: Slight irritation

Sensitization:

No sensitization known.

Additional information:

The possibility of a reductive fission causes the suspicion that AZO dye-stuffs release cancerogene aromatic amines. It is dangerous if the AZO dye-stuffs are absorbed from the body. Resorption of those dye-stuffs can be effected by inhalation, swallowing of dusts or aerosols as well as by skin contact

12. Ecological information

Data on elimination (persistence and degradability):

Can be eliminated from the water by precipitation or flocculation.
Danger class for water (WKG 2 German only) = dangerous for water



Behaviour in environment compartments:

Not known.

Ecotoxicological effects:

No data are available.

General information's:

Do not discharge product unmonitored into the environment.

13. Disposal considerations

Product:

Recommendations:

Hand over to authorized disposal agency.

Waste code No.:

EAV: 14 06 03 term: Mixture of solvent

Contaminated packaging:

Recommendations:

Container must be completely emptied and must not be opened by force.

Hand over to authorized disposal agency.

Waste code No.:

EAV: 15 01 02 term: Plastic jerry cans

14. Transport information

Land transport ADR/RID, Marine transport IMDG and

Air transport ICAO-TI and IATA-DGR

No danger goods in all transport regalement.

15. Regulatory information

Labelling according to EC-regulations:

The product does not require a hazard warning label in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV).

National Regulations (German): TRGS 614

TA-Air/classification, compound, remarks: Class 3 (organic)

Water hazard class: WGK 2 (dangerous for water)

16. Other information

Restriction of occupation:

Observe employment restrictions for young people.

Recommended uses:

As **PENETRANT** at the penetration process by colours acc. to EN ISO 3452-1 [EN 571-1] (DIN 54 152 part 1) for finding surface cracks.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
