

This safety data sheet was prepared in accordance with EU Directive 91/155/EC, amended according to Regulation (EC) No. 1907/2006 (REACH), - Germany - Switzerland - Austria

Color like Chromium EC SAFETY DATA SHEET



CLC component 3 (concentrate)

1. Substance/preparation and company name

Product name and/or code: Color like Chromium (CLC component 3, concentrate)

Manufacturer: WT Direct GmbH
Thujastrasse 45
D-73614 Schorndorf

Phone number.: + 49(0) 7181 98 54 84-0
Fax number: + 49(0) 7181 98 54 84 22
E-mail address: info@wt-direct.de

Company emergency number: + 49(0) 7181 98 54 84-0

Product use: FOR INDUSTRIAL USE ONLY.

2. Potential dangers

2.1 Classification of the substance or mixture Classification (REGULATION (EC) No. 1272/2008)

May be corrosive to metals. (H290) May cause an allergic skin reaction. (H317) May cause cancer. (H350)

2.2 Labeling elements

Labeling (REGULATION (EC) No. 1272/2008) Hazard pictograms



Signal word Attention

Hazardous components for labeling: formaldehyde

Methanol

Danger warnings

H290 can be corrosive against Metal.

H302+H332 Harmful if swallowed or inhaled. H317 can cause allergic reactions to your skin.

H350 May cause cancer.

Contains formaldehyde can cause allergic reactions. safety instructions

P281 Use prescribed personal protective equipment. P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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P308+P313 IF exposed or concerned: Get medical advice/attention. P501 Dispose of contents/ container in accordance with local/regional/national/international regulations.

Other dangers

Chemicals generally pose particular risks. They should therefore only be handled with the necessary care by appropriately trained personnel.

Results of PBT and vPvB assessment PBT:

Not applicable.

vPvB: Not applicable.

obtain special instructions before use. (P201)

Wear protective gloves/protective clothing/eye protection. (P280)

IF exposed or concerned: Get medical advice/attention. (P308 + P313)

Avoid breathing vapour/aerosol/mist. (P261)

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; harmful H302 :

H351 Harmful if inhaled and swallowed. Suspected of carcinogenic effects.

Xi; Sensitizing

H217: May cause sensitization by skin contact.

Special hazard warnings for people and the environment:

The product is classified as dangerous according to the criteria of directives 67/548/EEC and 1999/45/EC.

3. Composition/Information on Ingredients

Ingredients that are hazardous to health or the environment within the meaning of Directive 67/548/EEC.

Chemical name*	CAS no.	%	EC number	classification
formaldehyde	50-00-0	0.1 - < 1.0%	200-001-8	T R23/24/25; C R34; Xn R40; Xi R43 Carc. Cat. 3 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Carc. 2, H351; Skin Corr. 1B, H314; Skin Sens. 1, H317
Methanol	67-56-1	0.1 - < 1.0%	200-659-6	T R23/24/25-39/23/24/25; F R11 Flam. Liq. 2, H225; Acute

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				Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370
sulfuric acid	7664-93-9	≥ 1 - < 5%	231-639-5	C; R35

Occupational exposure limits, when available, are listed in Section 8.

4. First aid measures

First aid measures:

General information: If symptoms occur or if in doubt, seek medical advice. If you are unconscious, do not give anything by mouth.

After inhalation: Fresh air supply. No further measures necessary. Immediately remove all soiled and contaminated clothing. Clean wetted skin thoroughly with soap and water or use a suitable cleaning agent. Do not use solvents or thinners!

after skin contact:

after eye contact: Remove contact lenses, keep eyelids open and rinse liberally with clean, running water for at least 15 minutes. Seek medical advice.

5. Firefighting measures

Suitable extinguishing agents: Adapt to the environment.

Special dangers:

Non-flammable. In case of fire hazardous combustion gases or vapors possible. Hydrogen gas can form upon contact with metals (risk of explosion!). In the event of fire, the following can occur: Sulfur oxides.

Special protective equipment for firefighting:

Staying in the area of danger only with respiratory protection device independent of circulating air.

Other notes: Knock down any escaping vapors with water.

6. Accidental release measures

Personal

Precautions: Ventilate the room well. Avoid breathing vapor or mist. Follow protective instructions in sections 7 and 8.

Release: Contain spilled material with non-flammable absorbent (e.g. sand, earth, vermiculite, diatomaceous earth) and dispose of according to the regulations

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Place in a container intended for this purpose according to local regulations (see section 13). Do not discharge into drains or rivers. Preferably clean with plenty of detergent. Avoid the use of solvents. In the event of contamination of waterways, sewage pipes, or penetration into the ground, inform the relevant authorities in accordance with local laws.

7. Handling and Storage

Handling: Avoid contact with eyes and skin. Do not eat, drink, smoke or take snuff at work.

Information about fire and explosion protection:
No special fire and explosion protection measures required. The material itself is not combustible.

Storage: Tightly sealed. At +15°C to +25°C. Always keep in containers of same material as the original.
Notes on the label. in a dry and well-ventilated place. Protect from heat and direct sunlight.

Storage instructions:
No special instructions required.

Further information on storage conditions:

Storage class: n/a
The product is not subject to the regulations regarding the storage of flammable liquids (VbF).
Note: See Section 8 for personal protective equipment and Section 13 for waste disposal information.

8. Exposure controls and personal protective equipment

Limit values for occupational safety

TRGS 900

Surname	sulfuric acid	
Application	Other applications	
Values	0.1 mg/m ³	Inhalable fraction. With regard to peak limitation, the following rule applies: Short-term value duration max. 15 minutes as average, frequency per shift 4, time interval at least 1 hour.
Peak limitation	1 Concentration must not exceed limit concentration Substances for which	
Damaging to the fetus	Y	there is no need to fear a risk of fetal damage if the MAK and the biological workplace tolerance value (BAT) are adhered to.

Technical measures:

Ensure adequate ventilation. Where reasonably practicable this can be done using local exhaust ventilation and good general ventilation. If this is not enough to control the particle and

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To keep the solvent vapor concentration below the limit values, suitable respiratory protection must be worn.

Personal protective equipment:

Personal protective equipment must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances.

Respiratory protection:	required if vapors/aerosols occur, wear
Eye protection:	protective goggles
Hand protection:	With full contact:
	Glove material: Butyl rubber
	Layer thickness: 0.7mm
	Breakthrough time: > 480min.
	In case of splash contact:
	Glove material: Butyl rubber
	Layer thickness: 0.7mm
	Breakthrough time: > 480min.

The protective gloves to be used must meet the specifications of the EC Directive 89/686/EEC and the resulting standard EN374, for example KCL 898 Butoject® (full contact), 898 Butoject® (splash contact). This recommendation only applies to the product specified in the safety data sheet that we supply and the intended use specified by us. When dissolving in or mixing with other substances and under conditions other than EN374, you must contact the supplier of CE approved gloves.

Body protection:	Wash skin thoroughly after contact.
	In case of prolonged or repeated contact: protective creams for the skin areas that come into contact with the product.

Information on industrial hygiene:

Change contaminated clothing immediately. Preventive skin protection. Wash your hands and face after finishing work and before breaks. Do not smoke, eat, drink or take sniffs while working.

Limiting and monitoring environmental exposure Do not discharge into drains or rivers.

9. Physical and chemical properties

Physical condition:	Liquid.
Color:	Colorless.
Odor:	odorless

Safety-relevant information:

	Value	Unit	method
Flash point:	n/a	°C	DIN 53213
Ignition temperature:	n/a	°C	
Lower Ex limit:	n/a	Vol. - %	
Upper Ex limit:	n/a	Vol. - %	
Vapor pressure:	n/a	mbar at 20°C	
Density:	1.03	g/cm ³ at 20°C	

Issue date:

October 26, 2023

revised: December 2023

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Water solubility:	water miscible		
Viscosity:	n/a	at 20°C	DIN 53211
PH value	~1	at 20°C	
boiling point	110	°C	

10. Stability and reactivity

Generally:

No dangerous reactions known when stored and handled correctly.

Conditions to avoid Strong heating.

Substances to avoid

Alkaline metals, alkali compounds, ammonia, alkaline earth metals, alkaline earth compounds, alkalis, acids, metals, metal alloys, flammable substances, organic solvents, halogenates, permanganates.

Dangerous decomposition products in the event of fire: see Chapter 5.

More information

has a corrosive effect; incompatible with metals, animal/vegetable tissues.

11. Toxicological information

acute toxicity

LC₅₀(inhalation, rat): 510 mg/m³/2 h (based on pure substance).

LD₅₀(oral, rat): 2140 mg/kg (when using 25% solution).

Subacute to chronic toxicity

The following applies to subcomponent(s):

Bacterial mutagenicity: Ames test: negative.

Not harmful to fertility in animal experiments.

Further toxicological information

Properties to be expected based on components of the preparation: After

skin contact: Irritating effects if not handled properly. Corneal

After eye contact: lesions may be possible. Damage to the affected

After swallowing: mucous membranes is possible.

More information

The product should be handled with the usual care when dealing with chemicals.

12. Ecological information

Biodegradation:

Methods for determining biodegradability are not applicable for inorganic substances.

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Behavior in environmental compartments:

Accumulation in organisms is not expected.

Ecotoxic effects:

We do not have any quantitative data on the ecological impact of this product.

Further information about ecology:

The following applies to sulfuric acid in general: Biological effects: Damaging effects on aquatic organisms. Damaging effect due to pH shift. Toxic effect on fish and algae. Still corrosive even when diluted. Does not cause biological oxygen depletion. Danger to drinking water if large quantities penetrate into the ground and/or water. Neutralization possible in sewage treatment plants. Daphnia toxicity: Daphnia magna EC₅₀: 29 mg/l/24 h (based on pure substance).

If handled and used correctly, no ecological problems are to be expected.

13. Disposal instructions

Do not discharge into drains or rivers.

When disposing of waste, all relevant federal, state and local regulations must be observed.

Waste no. Waste name:

161001 aqueous liquid waste containing hazardous substances

Empty containers must be sent for scrap recycling or reconditioning. Containers that are not properly emptied are hazardous waste.

14. Transport information

Road and railway ADR, RID

UN 3264 CORROSIVE ACIDIC INORGANIC LIQUID, .NAG (SULFURIC ACID SOLUTION),
8, III

Inland waterway vessel ADN, ADNRRot checked

SeeIMDG code

UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, NOS
(SULPHURIC ACID SOLUTION), 8, III
EmS:F-AS-B

Air CAO, PAX

CORROSIVE LIQUID, ACIDIC, INORGANIC, NOS (SULPHURIC ACID SOLUTION), 8, UN
3264, III

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The transport regulations are quoted according to the international regulations and in the form in which they are applied in Germany. Possible deviations in other countries are not taken into account.

15. Regulations

EU regulations: The product is marked according to local regulations as follows:

H290 May be corrosive to metals. May cause
H317 allergic skin reactions. May cause cancer.
H350

Special marking:n/a

Information according to the Water Resources Act Water
hazard class: nwg not hazardous to water

Special labeling of certain preparations:n/a

Information sheet BG-Chemie

M004 Irritating substances/corrosive substances.

M051 Dangerous chemical substances

Note on employment restrictions: Maternity protection
and youth labor protection must be observed.

16. Other information

The information in this safety data sheet corresponds to our current state of knowledge and complies with national and EC legislation. However, the user's working conditions are beyond our knowledge and control. The product may not be used for any purpose other than that specified in Section 1 without written permission. The user is responsible for compliance with all necessary legal regulations.

The information in this safety data sheet describes the safety requirements of our product and does not constitute a guarantee of product properties.

The information in this safety data sheet is required according to Section 14 of the Hazardous Substances Ordinance in conjunction with Directive 91/155/EEC.