

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

Color like Chromium
EC SAFETY DATA SHEET

WT-DIRECT.

Oberflächentechnik aus einer Hand

CLC component 2 (concentrate)

1. Substance/preparation and company name

Product name and/or code: Color like Chromium (CLC component 2, concentrate)

Manufacturer: WT - Direct GmbH
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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)

Corrosive to metals, Category 1, H290 Irritation to skin, Category 2, H315 Eye irritation, Category 2, H319

For the full text of the hazard statements listed in this section, see Section 16.

Classification (67/548/EEC or 1999/45/EC)

Xi Irritant R36/38

The full text of the R-phrases mentioned here can be found in Section 16.

2.2 Labeling elements

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



Hazard pictograms

Signal word: Danger

Danger warnings

H290 can be corrosive against Metal. H315

Causes skin irritation.

H319 Causes serious eye irritation.

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safety instructions

reaction

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if possible. Continue rinsing.

2.3 Other dangers

PBT/vPvB: Not applicable for inorganic substances

3. Composition/Information on Ingredients

Chemical characterization: Aqueous solution

3.1 Fabric

not applicable

3.2 Mixture

Hazardous ingredients (REGULATION (EC) No. 1272/2008)

Chemical name (concentration)

CAS no.

Registration number

classification

1310-73-2

01-2119457892-27-XXXX

Skin corrosion, Category 1A, H314 Corrosive to metals, Category 1, H290

Sodium hydroxide (>= 1% - < 2%)

PBT/vPvB: Not applicable for inorganic substances

For the full text of the hazard statements listed in this section, see Section 16.

Dangerous ingredients (1999/45/EC)

Chemical name

(Concentration)

classification

CAS no. 1310-73-2

Sodium hydroxide

(>= 1% - < 2%)

C, Corrosive C, R35

The full text of the R-phrases mentioned here can be found in Section 16.

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:

Supply fresh air, put the affected person in a resting position and keep them warm. Initiate artificial respiration if breathing is irregular or has stopped breathing. If unconscious, place in a stable position on your side and seek medical advice.

after skin contact:

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!

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

after swallowing: Drink water immediately (maximum 2 drinking glasses), avoid vomiting (risk of perforation). Call in a doctor. No attempts at neutralization.

5. Firefighting measures

Suitable extinguishing agents: Adapt to the environment.

Special dangers: Non-flammable. Explosive with air when heated in vapor/gaseous state. Dangerous fumes may be generated due to surrounding fire. In the event of fire, the following can occur: Nitrogen oxides.

Special protective equipment for firefighting:

Staying in the area of danger only with respiratory protection device independent of circulating air. Avoid skin contact by maintaining a safe distance or wearing suitable protective clothing.

Other notes: Cool containers with water spray from a safe distance. Precipitate escaping vapors with water. Avoid penetration of extinguishing water into surface water or groundwater.

6. Accidental release measures

Personal

Precautions: Do not inhale vapors/aerosols. Avoid contact with substances. In closed rooms for fresh air concerns.

Environmental Protection-

measures: Do not allow to enter drains.

Cleaning/reception procedures:

Absorb with liquid-binding and neutralizing material, e.g. Chemisorb® OH (Merck Art. 101596). Send for disposal. Follow-up cleaning

7. Handling and Storage

Handling: Eating, drinking and smoking should be prohibited in areas where this product is used, stored or processed. Persons handling the substance must wash their hands and face before eating, drinking or smoking and after finishing work. Change contaminated clothing immediately. Preventive skin protection.

Storage: Tightly sealed. Store at +2°C to +25°C. Under

8. Exposure controls and personal protective equipment

Technical measures: Ensure adequate ventilation. Where reasonably practicable this can be done through local exhaust ventilation and good general ventilation

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happen. If this is not sufficient to keep the particle and solvent vapor concentration below the MAK limits, suitable respiratory protection must be worn.

Does not contain any substances with workplace exposure limits.
Derived exposure level without impairment (DNEL)

Sodium hydroxide (1310-73-2)

worker DNEL, long-term Local effects inhalative 1 mg/m³

consumer DNEL, Local effects inhalative 1 mg/m³

long term

Estimated No Effect Concentration (PNEC)

Sodium Hydroxide (1310-73-2)

PNEC No data available

Limiting and monitoring exposure in the workplace

Personal protective equipment:

Personal protective equipment must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances. The chemical resistance of the protective agents should be clarified with their suppliers.

Respiratory protection: required when vapors/aerosols occur; Filter K required,

Eye protection: wear safety glasses

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.

Other protective measures: appropriate protective clothing.

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, drink, eat or take sniffs while working.

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

9. Physical and chemical properties

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Physical condition: Liquid.
Color: Colorless.
Odor: typical of the species

Safety-relevant information:

	Value	Unit	method
Flash point:	not available	°C	DIN 53213
Ignition temperature:	not available	°C	
Explosion limit	not available		
Vapor pressure:	695	hPa at 20°C	
Density:	1.0	g/cm ³ at 20°C	
Water solubility:	water miscible		
Viscosity:	n/a	at 20°C	DIN 53211
Solvent content:	0%		
PH value:	8.5 - 10.0		
boiling temperature	110°C		
lied Pow	- 1.38 (experimental) (anhydrous substance)		

10. Stability and reactivity

Conditions to avoid: Heating.

Substances to avoid:

There is a risk of explosion and/or risk of toxic gas formation with the following substances: strong alkalis (ammonia can be formed), acrolein, hydrogen antimony/heat, boron, hydrogen bromide, chlorates, hydrogen chloride, chromium (VI) oxide (CrO₃), chromyl chloride, Dimethyl sulfate, ethylene oxide (polymerization), hydrogen fluoride, halogens, halogen-halogen compounds, halogen oxides, carbon dioxide, air, oxidizing agents, phosgene, phosphorus oxides, mercury / water, nitric acid, oxygen, acids, sulfur dioxide, hydrogen sulfide, Silver compounds (when stored), nitrogen oxides, nitrogen trichloride (decomposition), hydrogen peroxide, silver, lead, zinc, heavy metals, heavy metal salts.

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

More information

incompatible with various metals and metal alloys (including zinc, copper; aluminum, lead, nickel). Explosive with air when heated in vapor/gaseous state.

11. Toxicological information

acute toxicity

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

LC₅₀ (inhalation, rat): 1.4 mg/l /4 h (anhydrous substance) (RTECS) 350
LD₅₀ (oral, rat): mg/kg (29% solution ammonia) (RTECS) 43 mg/
LDLo (oral, human): kg (29% solution) (RTECS).

Specific symptoms in animal experiments:

Eye Irritation Test (Rabbit): Severe Irritation (29% Solution) (RTECS). Skin Irritation Test (Rabbit): Severe Irritation (29% Solution) (RTECS).

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The literature data available to us does not correspond to the labeling required by the EC. The EC has dossiers that have not been published.

Subacute to chronic toxicity

Raising awareness:

Sensitization test (guinea pig): negative. (anhydrous substance) (IUCLID)

Bacterial mutagenicity: Salmonella typhimurium negative. (anhydrous substance) (IUCLID)

Bacterial mutagenicity: Escherichia coli: negative (anhydrous substance) (IUCLID)

Further toxicological information:

Properties to be expected based on components of the preparation:

After inhalation:	Possible symptoms: cough, bronchitis, pulmonary edema.
When occurrence of	
Vapors / aerosols:	strongly irritating
After skin contact:	Irritation and caustic effects (dermatitis, necrosis). Acid burns. Risk of blindness.
After eye contact:	
After swallowing:	Mucous membrane irritation, abdominal pain, bloody vomiting. There is a risk of perforation for the esophagus and stomach. Systemic effects: nausea, collapse, shock, shortness of breath, unconsciousness.

More information

Other dangerous properties cannot be ruled out. The product should be handled with the usual care when dealing with chemicals.

12. Ecological information

Abiotic degradation: Slow degradation.

Biodegradation: Not easily degradable.

The following applies to ammonium ions: Biological effects: toxic from 0.3 mg/L; Fish nutrients: toxic from 0.3 mg/L. Damage caused by pH shift, still forms toxic mixtures despite dilution

The following applies to ammonia:

Fish toxicity: Onchorhynchus mykiss LC₅₀: 0.53mg/L/96 h (anhydrous substance).

Daphnia toxicity: Daphnia pulicaria EC₅₀: 1.16 mg/L/48 h (anhydrous substance).

Daphnia magna EC₅₀: 24/L/48 h (anhydrous substance).

Bacterial toxicity: Photobacterial phosphoreum EC₅₀: 2 mg/L/5min (anhydrous substance).

Abiotic degradation:

Slow degradation

Biodegradation: Not easily degradable. Behavior in environmental compartments: Distribution: log Pow: - 1.38 (experimental) (anhydrous substance). Bioaccumulation is not expected (log Pow <1).

13. Disposal instructions

Do not discharge into drains or rivers.

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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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Major Accident Ordinance

96/82/EC

Directive 96/82/EC does not apply. Observe employment restrictions according to the youth labor protection regulations (94/33/EC).

Employment Restrictions

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer

not regulated

Regulation (EC) No. 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC

not regulated

Regulation (EC) No. 689/2008 on the export and import of dangerous chemicals

not regulated

Substances of Very High Concern (SVHC)

This product does not contain any substances of very high concern above the respective legal limit (> 0.1% (w/w) REACH Regulation (EC) No. 1907/2006, Article 57).

National regulations

Storage class

8B

Water hazard class leaflet

nwg

not hazardous to water

BG-Chemie

M004

Irritating substances/corrosive substances

M050

Activities involving hazardous substances

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

Full text of hazard statements in sections 2 and 3.

H290

can be corrosive to metals.

H314

Causes serious irritation of the skin and serious eye damage. causes

H315

skin irritation.

H319

causes serious eye irritation.

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Training Notes

Provide appropriate information, instructions and training to users.

Labeling (67/548/EEC or 1999/45/EC)



symbol(s)

Lovely

H-phrases

319

Irritating to eyes and skin.

H-phrases

315

In case of contact with eyes, immediately rinse thoroughly with water and consult a doctor.

Further information

The information in this safety data sheet corresponds to our current state of knowledge and complies with national and EU legislation. The product may not be used for any purpose other than that stated in Chapter 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.