* SECTION 1: Identification of the substance/mixture and of the company/undertaking

* 1.1 Product identifier

Trade name/designation Polishing compound Dialux, green

* 1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of uses [SU]
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

* **Use of the substance/mixture**
Polishing agent

Uses advised against
any non-intended use

* 1.3 Details of the supplier of the safety data sheet

Supplier
joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website https://www.joke-technology.com/

Department responsible for information:
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):
sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg	+49 (0) 761 / 1 92 40
REACH and CLP UK CA Help Desk	+44 171 635 9191

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Additional information
This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

* 2.2 Label elements

* **Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Remark
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

* 2.3 Other hazards

Adverse human health effects and symptoms
This product does not contain any hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.
foreseeable conditions of use.

*** Adverse environmental effects**
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

* SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

* 3.2 Mixtures

*** Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1308-38-9	215-160-9	Chrom(III)oxid	25 ≤ 30 weight-%		

*** Additional information**
This product does not contain any hazardous substances that are required to be mentioned in chapter 3 by REGULATION (EU) No. 2020/878 OF THE
COMMISSION, Annex II, Part A, 3.1/3.2 to be mentioned in Chapter 3
The product does not contain any listed SVHC substances >0.1% according to Regulation (EC) No. 1907/2006 § 59
(REACH)
5-<15% aliphatic hydrocarbons.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation
Provide fresh air.
Remove casualty to fresh air and keep warm and at rest.
In case of respiratory tract irritation, consult a physician.

Following skin contact
After contact with skin, wash immediately with plenty of water and soap.
Take off contaminated clothing.

After eye contact
Rinse immediately carefully and thoroughly with eye-bath or water.
In case of eye irritation consult an ophthalmologist.

Following ingestion
Rinse mouth immediately and drink plenty of water.
Rinse mouth thoroughly with water.
Do NOT induce vomiting.
If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
No data available

Effects
No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Dry extinguishing powder
Carbon dioxide (CO2)
alcohol resistant foam
Water mist

Unsuitable extinguishing media
Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
Carbon monoxide
Nitrogen oxides (NOx)
Carbon dioxide (CO2)

5.3 Advice for firefighters

Special protective equipment for firefighters
In case of fire: Wear self-contained breathing apparatus.

Additional information
Co-ordinate fire-fighting measures to the fire surroundings.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

* SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Use personal protection equipment.
Avoid dust formation.

For emergency responders
Personal protection equipment

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

* 6.3 Methods and material for containment and cleaning up

* **For containment**
Take up mechanically and send for disposal.

For cleaning up
Clean contaminated articles and floor according to the environmental legislation.
Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

* SECTION 7: Handling and storage

* 7.1 Precautions for safe handling

* **Protective measures**
Wear personal protection equipment (refer to section 8).
Usual measures for fire prevention.
Avoid the formation of dust.
Dust can form an explosive mixture with air.
Always close containers tightly after the removal of product.

* **Advices on general occupational hygiene**
When using do not eat, drink, smoke, sniff.
Immediately remove any contaminated clothing, shoes or stockings.
Wash hands before breaks and after work.
Wash contaminated clothing prior to re-use.

* 7.2 Conditions for safe storage, including any incompatibilities

* **Requirements for storage rooms and vessels**
Keep container tightly closed.

Storage class
13 Non-combustible solids that cannot be assigned to any of the above storage classes

* **Materials to avoid**
Do not store together with:
Explosives
Oxidising agent
Food and feedingstuffs

* **Further information on storage conditions**
Keep container tightly closed in a cool, well-ventilated place.
Recommended storage temperature 20° C
Protect against:
Frost
Heat
UV-radiation/sunlight
Humidity

7.3 Specific end use(s)
No data available

* SECTION 8: Exposure controls/personal protection

*** 8.1 Control parameters**
No data available

*** 8.2 Exposure controls**

Appropriate engineering controls

Technical measures to prevent exposure
ventilation system

* **Personal protection equipment**

Eye/face protection
Eye glasses with side protection
EN 166

* **Hand protection**
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Suitable gloves type
Suitable material:
FKM (fluoro rubber)
Thickness of the glove material 0,4 mm
Breakthrough time: >=8h
Information on glove material [type / type, thickness, penetration time, force]: butyl, 0.5 mm, > = 8 h
Information on glove material [type / type, thickness, penetration time, force]: CR, 0,5 mm, >=8 h
It is recommended to check the chemical resistance of the specified protective gloves for special applications with the glove manufacturer.
In the case of wanting to use the gloves again, clean them before taking off and air them well.
Check leak tightness/impermeability prior to use.

Body protection:
Protective clothing
lab coat

* **Respiratory protection**
Respiratory protection necessary at:
insufficient ventilation
exceeding exposure limit values
aerosol or mist formation
Suitable respiratory protection apparatus:
Particle filter device (DIN EN 143)
Filter type P1-3
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

* SECTION 9: Physical and chemical properties

* 9.1 Information on basic physical and chemical properties

Physical state
solid

* **Colour**
dark green

* **Odour**
characteristic
mild

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	44- 46 °C		
Melting point/freezing point	softening point 46 °C		
Boiling point or initial boiling point and boiling range	200- 240 °C	Calculation method.	
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	Density 1.5- 2.5 g/cm³		
Relative vapour density	not determined		
particle characteristics	not determined		

* 9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Solid content	70- 72		
Explosive properties			The product is not explosive.
Oxidising properties			The product is not oxidizing.

*** Other information**
none

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Direct sunlight.

10.5 Incompatible materials
Materials to avoid
Oxidising agent
Reducing agent, strong

10.6 Hazardous decomposition products
In case of fire: carbon monoxide and carbon dioxide.
Nitrogen oxides (NOx)

* SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

*** Acute toxicity**

*** Animal data**

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	not determined		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		

Assessment/classification
Based on available data, the classification criteria are not met.

* **Skin corrosion/irritation**

Assessment/classification
Based on available data, the classification criteria are not met.

* **Serious eye damage/irritation**

Assessment/classification
Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract

Assessment/classification
Based on available data, the classification criteria are not met.

Skin sensitisation

Assessment/classification
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment/classification
Based on available data, the classification criteria are not met.

* **Carcinogenicity**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Reproductive toxicity**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **STOT-single exposure**

STOT SE 1 and 2

Assessment/classification
Based on available data, the classification criteria are not met.

* **STOT SE 3**

* **Irritation to respiratory tract**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Narcotic effects**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification
Based on available data, the classification criteria are not met.

Aspiration hazard

Remark
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Other information

The mixture is not classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

* SECTION 12: Ecological information

* 12.1 Toxicity

*** Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

*** Assessment/classification**

Based on available data, the classification criteria are not met.

* 12.2 Persistence and degradability

*** Assessment/classification**

Based on available data, the classification criteria are not met.

12.3 Bioaccumulative potential

Assessment/classification

No indication of bioaccumulation potential.

12.4 Mobility in soil

Assessment/classification

No data available

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Do not allow product to enter the environment and sewage system in an uncontrolled manner.
Product is not allowed to be discharged into aquatic environment.

* SECTION 13: Disposal considerations

* 13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
120199	wastes not otherwise specified

Waste code packaging	Waste name
150106	mixed packaging

Appropriate disposal / Product
Dispose of waste according to applicable legislation.

Appropriate disposal / Package
Handle contaminated packages in the same way as the substance itself.
Completely emptied packages can be recycled.

* **Remark**
Dispose according to legislation.
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user
This information is not available.

14.7 Maritime transport in bulk according to IMO instruments
This information is not available.

All transport carriers
No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

Land transport (ADR/RID)
Remark
Not classified for this transport carrier.

Sea transport (IMDG)
Remark
No hazardous material as defined by the prescriptions.

Air transport (ICAO-TI / IATA-DGR)

Remark
No hazardous material as defined by the prescriptions.

* SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

* SECTION 16: Other information

Indication of changes
* Data changed compared with the previous version

*** Abbreviations and acronyms**
CLP: Classification, Labelling and Packaging
CO2: Carbon dioxide
TRGS: Technical Rules for Hazardous Substances
DIN: German Institute for Standardization / German Industrial Standard
EN: European Standard
REACH: Registration, Evaluation and Authorization of Chemicals
SU: use category
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
SCL: Specific concentration limit
CAS: Chemical Abstracts Service
DNEL: derived no-effect level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute Toxicity Estimate
LC50: Lethal (fatal) Concentration 50%
LD50: Lethal (fatal) Dose 50%
LL50: Lethal Loading 50 %
EL50: Effective Loading 50 %
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50 % reduction in growth rate
NOEC: No Observed Effect Concentration
BCF: Bioconcentration Factor
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
EmS: emergency procedures
MFAG: Medical First Aid Guide for Use in Accidents Involving Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IBC: Intermediate Bulk Container
VOC: Volatile organic compounds
SVHC: Substance of Very High Concern
STOT: Specific Target Organ Toxicity
WGK: water hazard class
AVV: Waste Shipment Ordinance (DE)

Key literature references and sources for data
European Chemicals Agency, http://echa.europa.eu/.
Datasheets of the manufacturer

* **Additional information**
National and local regulations concerning chemicals shall be observed.
This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Indication of changes
* Data changed compared with the previous version