SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

50 032 - Bronze medium

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

1.1 Product identifier

Trade name 50 032 - Bronze medium
REACH registration No.
UFI -

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

General use
Products for the artistic design of load-bearing and solid substrates.

Uses advised against
Applications other than "General use"

1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
+49 (0) 211 - 2509 - 0
info@schmincke.de
www.schmincke.de

Schmincke lab:
mo-th 8.00-16.30, fr 8.00-13.30
+49 (0) 211 - 2509 - 474
sdb@schmincke.de

1.4 Emergency telephone number

Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

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

2.2 Label elements

Labelling

Signal word

Hazard statements
EUH066 Repeated exposure may cause skin dryness or cracking.

Safety precautions
P102 Keep out of reach of children.

Hazard components for labelling

Special provisions concerning the labelling of certain mixtures
Repeated exposure may cause skin dryness or cracking. (EUH066)

2.3 Other hazards

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This product contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

CAS-Number
EC-number
REACH registration No.
CI-Number

3.2 Mixtures

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics: 25 < 50 %
EC-number: 918-481-9
Classification according to EC regulation 1272/2008 (CLP):
EUH066 / Asp. Tox. 1; H304

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics: 10 < 25 %
EC-number: 919-857-5
Classification according to EC regulation 1272/2008 (CLP):
EUH066 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / STOT SE 3; H336

2,2-dimethyl-1,3-dioxolan-4-ylmethanol: 5 < 10 %
CAS-Number: 100-79-8
EC-number: 202-888-7
Classification according to EC regulation 1272/2008 (CLP):
Eye Irrit. 2; H319

Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation
No special measures are required.

In case of skin contact
Thoroughly wash skin with soap and water.
Seek medical attention if irritation persists.

After eye contact
In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical attention if irritation persists.

After swallowing
Rinse mouth with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.
Caution if victim vomits: Risk of aspiration!
If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons
none

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters
Use appropriate respiratory protection.

Additional information
Normally stable, even under fire exposure conditions, and are not reactive with water

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up
Collect spilled material using paper towels and dispose.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling
Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion
No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers
Keep container tightly closed.

Hints on joint storage

Storage class	LK 12
Further details	Protect from frost and exposure to sun.

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

GBR	WEL-TWA	1.200,000	mg/m³	-

DNEL overview

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL worker	Long-term - inhalation, systemic effects	871,00000	mg/m³
DNEL worker	Long-term - dermal, systemic effects	77,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic effects	46,00000	mg/kg bw/day

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DNEL Consumer	Long-term - inhalation, systemic effects	185,00000	mg/m³
DNEL Consumer	Long-term - dermal, systemic effects	46,00000	mg/kg bw/day

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection must be worn whenever the WEL levels have been exceeded.
Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

Hand protection

Qualified materials: Nitrile rubber
Layer thickness > 0,35 mm
Breakthrough time > 480 min

Eye protection

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

After work, wash hands and face.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form	liquid
Colour	clear
Odour	aromatic

	min	max	
Melting point/freezing point			
Initial boiling point and boiling range			
Flammability			
Explosion limits			
Flash point/flash point range	> 60 °C		
Ignition temperature			
PH			
Viscosity			
Viscosity	40	45 mm²/s	40 °C
Solubility			
Partition coefficient: n-octanol/water			
Vapour pressure			
Density and/or relative density		0,91 g/ml	20 °C
Relative vapour density			
Auto-ignition temperature			
Refraction index			
Decomposition temperature			

Danger of explosion

particle characteristics

9.2 Other information

Information with regard to physical hazard classes

SECTION 10: Stability and reactivity

10.1 Reactivity

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Product is stable under normal storage conditions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Protect from frost and exposure to sun.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

SECTION 11: Toxicological information

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

Toxicokinetics, metabolism and distribution	
Acute toxicity	There are no data available on the mixture itself.
Aspiration hazard	There are no data available on the mixture itself.
After swallowing	There are no data available on the mixture itself.
Skin corrosion/irritation	There are no data available on the mixture itself.
Serious eye damage/eye irritation	There are no data available on the mixture itself.
Sensibilisation: Respiratory system	There are no data available on the mixture itself.
Sensibilisation: Skin	There are no data available on the mixture itself.
STOT-single exposure	There are no data available on the mixture itself.
STOT-repeated exposure	There are no data available on the mixture itself.
Carcinogenic, germ cell mutagen and reproduction effects	
Germ cell mutagenicity	No indications of human germ cell mutagenicity exist.
Carcinogenicity	No indication of human carcinogenicity.
Reproductive toxicity	No indications of human reproductive toxicity exist.

Practical experience

General remarks

11.2 Information on other hazards

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
none

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity	No data available
Water Hazard Class	1
WGK catalog number	
General information	

12.2 Persistence and degradability

Further details

Product is partially biodegradable.

Oxygen demand

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12.3 Bioaccumulative potential

Bioconcentration factor (BCF)
Partition coefficient: n-octanol/water
There are no data available on the mixture itself.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number
080111 Waste paint and varnish containing organic solvents or other dangerous substances
Recommendation
Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

Package

Waste key number
Recommendation
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information
https://www.schmincke.de/en/know-how/good-to-know/disposing-of-washing-water-colour-medium-remains

SECTION 14: Transport information

14.1 UN number or ID number

14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.
IMDG, IATA

14.3 Transport hazard class(es)

ADR, ADN
IMDG
IATA

14.4 Packing group

14.5 Environmental hazards

Marine Pollutant - IMDG -
Marine Pollutant - ADN

14.6 Special precautions for user

Land transport (ADR/RID)
Classification code ADR/RID

Hazard identification number
Hazard label ADR
Limited quantities
Package: Instructions
Package: Special Provisions
Special provisions for packing together
Portable tanks: Instructions
Portable tanks: Special Provisions
Tank coding
Tunnel restriction
Remarks
EQ
Special Provisions

Sea transport (IMDG)

EmS
Special Provisions
Limited quantities
Package: Instructions
Package: Special Provisions
IBC: Instructions
IBC: Provisions
Tank instructions IMO
Tank instructions UN
Tank instructions Special Provisions
Stowage and segregation
Properties and observations
Remarks
EQ

Air transport (IATA-DGR)

Hazard
Passenger
Passenger LQ
Cargo
ERG
Remarks
EQ
Special Provisioning

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations

Europe

Contents of VOC [%]	39,3
Contents of VOC [g/L]	

Further regulations, limitations and legal requirements

Germany

Storage class	LK 12
Water Hazard Class	1
WGK catalog number	

Major Accident Ordinance (12. BImSchV)

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Information on working limitations
Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%] 39,3 %
Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP)

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Further information

This information is abased on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

REGULATION (EU) 2025/1222 - ATP 23

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change

Additional information