

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23	
Version	6.2	(23.08.23)	Page	1 / 10

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

1.1 Product identifier

Trade name 50 051 - Brush cleaner
REACH registration No. ---
UFI UFI: U3MF-T474-F002-Y6F0

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

General use
Products for creation of art.

Uses advised against

1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de
Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
tel. +49 (0) 211-2509-474
labor@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)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.
Eye Irrit. 2; H319 Causes serious eye irritation.
Flam. Liq. 3; H226 Flammable liquid and vapour.
Skin Sens. 1; H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling



Signal word Warning

Hazard statements

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2 (23.08.23)	Page	2 / 10

Safety precautions

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take action to prevent static discharges.
P260 Do not breathe vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Text for labelling (CLP)

Labelling for contents according to regulation (EC) No. 648/2004 5 - 15 % non-ionic surfactants

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

Orange peel oil
anionic surfactant
ester

CAS-Number ---
EINECS / ELINCS / NLP ---
EU index number ---
REACH registration No. ---
Hazchem-Code ---
CI-Number ---

3.2 Mixtures

Substance 1

1-methoxy-2-propanol: 10 < 25 %
CAS: 107-98-2
REACH: 01-2119457435-35-0000
Flam. Liq. 3; H226 / STOT SE 3; H336

Substance 2

d-limonene: 2,5 < 10,0 %
CAS: 68647-72-3
REACH: 01-2119493353-35-0000
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315 / Skin Sens. 1; H317

Substance 3

methyl decanoate: 2,5 < 10,0 %
CAS: 110-42-9
REACH: 01-2119487998-07-0000
Aquatic Chronic 2; H411

Substance 4

poly (ethylene oxide) mono-2-propylheptyl ether: 2,5 < 10,0 %
CAS: 160875-66-1
Acute Tox. 4; H302 / Eye Dam. 1; H318

Substance 5

(2-methoxymethylethoxy) propanol: 10 < 25 %
CAS: 34590-94-8
REACH: 01-2119450011-60-0000
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Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2 (23.08.23)	Page	3 / 10

General information

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

In case of inhalation

Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical attention if problems persist.

In case of skin contact

After contact with skin, wash immediately with soap and plenty of water. Then cream your skin.

After eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing

Do NOT induce vomiting. Give nothing to eat or drink. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

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

Carbon dioxide Foam dry extinguishing powder water mist powder

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide Vapours are heavier than air and will spread at floor level.

5.3 Advice for firefighters

Special protective equipment for firefighters

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Remove all sources of ignition. Provide adequate ventilation.

6.2 environmental precautions

Do not allow to enter into ground-water, surface water or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. refer to section ###

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation. refer to section 13

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. Provide adequate ventilation. refer to section ###

Precautions against fire and explosion

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2 (23.08.23)	Page	4/ 10

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition and heat.

Hints on joint storage

Do not store together with combustible or self-igniting materials or any highly flammable solids.

Storage class

Further details

storage temperature: from 10 °C to 35 °C

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

107-98-2 1-methoxy-2-propanol

DEU	WEL	100,000	ppm	-
DEU	WEL	370,000	mg/m ³	2 (I); DFG; EU; Y

5989-27-5 d-limonene

DEU	WEL	20,000	ppm	(short-term / skin)
DEU	WEL	112,000	mg/m ³	(short-term / skin)
DEU	WEL	5,000	ppm	(long-term / skin)
DEU	WEL	28,000	mg/m ³	(long-term / skin)

34590-94-8 (2-methoxymethylethoxy) propanol

DEU	WEL	310,000	mg/m ³	-
DEU	WEL	50,000	ml/m ³	1 (I); DFG; EU

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. Suitable respiratory protection apparatus: Use filter type A (= against vapours of organic substances)

Hand protection

Qualified materials: Nitrile rubber or Fluororubber (Viton) Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection

Tightly sealed safety glasses.

Body protection

Flame-resistant antistatic protective clothing

General protection and hygiene measures

When using do not eat, drink or smoke. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form liquid
Colour clear

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No. 50 051 Issue date: 23.08.23
Version 6.2 (23.08.23) Page 5/ 10

Odour weak aromatic

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability		---		
Explosion limits	1 Vol %	14 Vol %		
Flash point/flash point range	49 °C	---		
Ignition temperature	---	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Solubility		---	---	---
Partition coefficient: n-octanol/water		---		
Vapour pressure		13,3 mbar	20 °C	---
Density and/or relative density		ca. 0,99 g/ml	20 °C	---
Relative vapour density	---	---	---	---
Auto-ignition temperature	---	---	---	
Refraction index	---	---	---	

Danger of explosion ---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

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

Keep away from sources of ignition.

10.5 Incompatible materials

strong oxidizing agents strong acids Strong alkali

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Toxicological tests

107-98-2 1-methoxy-2-propanol

oral	LD50	Rat		4016,00000	mg/kg	-
inhalative	LC50	Rat	>	25,80000	mg/L	(6h)
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

Toxicological tests

68647-72-3 d-limonene

oral	LD50	Rat		4400,00000	mg/kg	-
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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No. **50 051** Issue date: **23.08.23**
Version **6.2** (**23.08.23**) Page **6 / 10**

dermal	LD50	Rabbit	>	5000,00000	mg/kg	-
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Toxicological tests

110-42-9 methyl decanoate

oral	LD50	Rat		4016,00000	mg/kg	-
dermal	LD50	Rat	>	2000,00000	mg/kg	-

Toxicological tests

160875-66-1 poly (ethylene oxide) mono-2-propylheptyl ether

oral	LD50	Rat	>	700,00000	mg/kg	-
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

Toxicological tests

34590-94-8 (2-methoxymethylethoxy) propanol

LD50	oral	Rat		5140,00000	mg/kg	-
LD50	dermal	Rabbit		9510,00000	mg/kg	-

Toxicokinetics, metabolism and distribution

Acute toxicity

There are no data available on the preparation/mixture itself.

In case of inhalation

There are no data available on the preparation/mixture itself.

After swallowing

There are no data available on the preparation/mixture itself.

In case of skin contact

There are no data available on the preparation/mixture itself.

After eye contact

There are no data available on the preparation/mixture itself.

Practical experience

General remarks

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

68647-72-3 d-limonene

LC50	fish		0,72000	mg/L	(96h)
EC50	Daphnia magna (Big water)		0,42100	mg/L	(48h)
ErC50:	Algae		8,00000	mg/L	-

Ecotoxicological effects

110-42-9 methyl decanoate

LC50	fish		1700,00000	mg/L	(48h)
EC50	Daphnia magna (Big water)		1,10000	mg/L	(48h)

Aquatic toxicity

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2 (23.08.23)	Page	7 / 10

Water Hazard Class 2
WGK catalog number ---
General information ---

12.2 Persistence and degradability

Further details ---
Oxygen demand ---

12.3 Bioaccumulative potential

Bioconcentration factor (BCF) ---
Partition coefficient: n-octanol/water ---

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

12.7 Other adverse effects

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 ---

Package

Waste key number ---

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

Additional information

SECTION 14: Transport information

14.1 UN number or ID number

1263

14.2 UN proper shipping name

ADR, ADN Paint related material
IMDG, IATA PAINT RELATED MATERIAL

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2	Page	8 / 10
		(23.08.23)	

14.3 Transport hazard class(es)

ADR, ADN	3
IMDG	3
IATA	3

14.4 Packing group

III

14.5 Environmental hazards

Marine Pollutant - IMDG	No
Marine Pollutant - ADN	---

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID	F1
Kemmler-number	30
Hazard label ADR	3
Limited quantities	5L
Package: Instructions	P001 - IBC03 - LP01 - R001
Package: Special Provisions	PP1
Special provisions for packing together	MP19
Portable tanks: Instructions	T2
Portable tanks: Special Provisions	TP1 - TP29
Tank coding	LGBF
Tunnel restriction	D/E
Remarks	---
EQ	E1
Special Provisions	163 - 640E - 650

Sea transport (IMDG)

EmS	F-E, S-E
Special Provisions	163 - 223 - 955
Limited quantities	5L
Package: Instructions	P001 - LP01
Package: Special Provisions	PP1
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T2
Tank instructions Special Provisions	TP1 - TP29
Stowage and segregation	category A
Properties and observations	---
Remarks	---
EQ	E1

Air transport (IATA-DGR)

Hazard	flammable liquid
Passenger	309 (60L)
Passenger LQ	Y309 (10L)
Cargo	310 (220L)
ERG	3L
Remarks	---
EQ	E1
Special Provisioning	-

14.7 Maritime transport in bulk according to IMO instruments

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2 (23.08.23)	Page	9/ 10

SECTION 15: Regulatory information

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

National regulations

Europe

Contents of VOC [%] ---
Contents of VOC [g/L] ---
Further regulations, limitations and legal requirements ---

Germany

Storage class ---
Water Hazard Class 2
WGK catalog number ---
Incident regulation ---
Information on working limitations ---
Further regulations, limitations and legal requirements ---

Switzerland

Contents of VOC [%] 28,5 %
Further regulations, limitations and legal requirements ---

USA

Further regulations, limitations and legal requirements ---
Federal Regulations ---
State Regulations ---

Canada

Further regulations, limitations and legal requirements ---

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP)	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

50 051 - Brush cleaner

Article No.	50 051	Issue date:	23.08.23
Version	6.2	Page	10/ 10
	(23.08.23)		

Further information

This information is based 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) 2021/849 - ATP 17

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
