

SAFETY DATA SHEET

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

50 051 - Brush cleaner

Article No.
Version 5 (03.05.18)

Issue date: 03.05.18
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 051 - Brush cleaner

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-Str. 2
D - 40699 Erkrath
Tel. +49 (0) 211-2509-0
Fax. +49 (0) 211-2509-497
info@schmincke.de
www.schmincke.de

Dept. responsible for information
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

Emergency
Information
Phone #

Emergencycall Berlin (0.00-24.00) german/english
+49 30 / 30686790

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 (CLP)



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 precautions

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

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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.

2.3 Other hazards

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

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

Orange peel oil
anionic tenside
ester

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

3.2 Mixtures

Substance 1

1-methoxy-2-propanol: 10 - 20 %
CAS: 107-98-2
REACH: 01-2119457435-35-xxxx

Flam. Liq. 3; H226 / STOT SE 3; H336

Substance 3

methyl decanoate: 2,5 - 10,0 %
CAS: 110-42-9
REACH: 01-2119487998-07-xxxx
Skin Irrit. 2; H315

Substance 5

(2-methoxymethylethoxy) propanol: 10 - 25 %
CAS: 34590-94-8
REACH: 01-2119450011-60-xxxx
-

Substance 2

d-limonene: 2,5 - 10,0 %
CAS: 5989-27-5

Aquatic Acute 1; H400 / Aquatic Chronic 1; H410 / Asp.
Tox. 1; H304 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315
/ Skin Sens. 1; H317

Substance 4

poly (ethylene oxide) mono-2-propylheptyl ether: < 3 %

Acute Tox. 4; H302 / Eye Dam. 1; H318

Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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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

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

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

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Further details

7.3 Specific end use(s)

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	5,000	mL/m ³	-
DEU	WEL	28,000	g/m ³	2 (II); DGF

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
Odour	weak aromatic

	min	max
Initial boiling point and boiling range		
Melting point/freezing point		
Flash point/flash point range	49 °C	
Flammability		
Ignition temperature		
Auto-ignition temperature		
Explosion limits	1 Vol %	36,5 Vol %
Refraction index		
Partition coefficient: n-octanol/water		
Danger of explosion		
Vapour pressure	128 mbar	20 °C
Density	ca. 0,99	

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PH value g/ml

Viscosity dynamic of
Viscosity dynamic up to

Viscosity kinematic of
Viscosity kinematic up to

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

107-98-2	1-methoxy-2-propanol						
	oral	LD50	Rat		5000,000	mg/kg	-
	inhalative	LC50	Rat		6,000	mg/l	(4h)
	dermal	LD50	Rabbit		13500,000	mg/kg	-
5989-27-5	d-limonene						
	oral	LD50	Rat		4400,000	mg/kg	-
	dermal	LD50	Rabbit	>	5000,000	mg/kg	-
	poly (ethylene oxide) mono-2-propylheptyl ether						
	oral	LD50	Rat	>	700,000	mg/kg	-
	dermal	LD50	Rabbit	>	2000,000	mg/kg	-
34590-94-8	(2-methoxymethylethoxy) propanol						
	LD50	oral	Rat		5140,000	mg/kg	-
	LD50	dermal	Rabbit		9510,000	mg/kg	-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
In case of inhalation
After swallowing
In case of skin contact
After eye contact

Practical experience

General remarks

Toxicological tests

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107-98-2	1-methoxy-2-propanol	LC50	fish	>	4000,000	mg/l	(96h)
		EC50	Daphnia magna (Big water)		23300,000	mg/l	(48h)
5989-27-5	d-limonene	LC50	fish		20,000	mg/l	-
		EC50	Daphnia magna (Big water)		1,100	mg/l	(48h)
110-42-9	methyl decanoate	LC50	fish		1700,000	mg/l	(48h)
		EC50	Daphnia magna (Big water)		1,100	mg/l	(48h)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity
Water Hazard Class 3
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 Other adverse effects

General information

Ecotoxicological 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

Contaminated packaging

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

1263

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14.2 UN proper shipping name

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

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 Yes
Marine Pollutant - ADN

14.6 Special precautions for user

Land transport

Code: ADR/RID F1
Kemmler-number 30
Hazard label ADR 3
Limited quantities 5L
Contaminated packaging: Instructions P001 - IBC03 - LP01 - R001
Contaminated packaging: 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

Inland waterway craft

Hazard label
Limited quantities
Transport permitted
Equipment necessary
Ventilation
Remarks
EQ
Special provisions

Sea transport

EmS F-E, S-E
Special provisions 163 - 223 - 955
Limited quantities 5L
Contaminated packaging: Instructions P001 - LP01
Contaminated packaging: 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

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EQ

E1

Air transport

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

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Germany

Storage class
Water Hazard Class 3
WGK catalog number
Incident regulation
Information on working limitations
Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]
~ 87 %
Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Japan

Further regulations, limitations and legal requirements

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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.

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

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

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.