

SAFETY DATA SHEET

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

Revision date: 15-Aug-2018

Print date: 08-Jun-2020

Version: 2

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Flock- und Flex-Remover

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

1.1. Product identifier

Trade name/designation:

Flock- und Flex-Remover

Article No.:

1804.2

Additional information:

The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH].

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

Use of the substance/mixture:

Reinigungsmittel

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Relevant identified uses:

Product Categories [PC]

PC 35: Washing and cleaning products

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Charlott produkte

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Carcinogenicity (Carc. 2)	H351: Suspected of causing cancer.	

2.2. Label elements

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

Hazard pictograms:



GHS08
Health hazard



GHS07
Exclamation mark

Signal word: Warning

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hazard statements for health hazards

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

Supplemental Hazard information (EU): -

Precautionary statements

P102	Keep out of reach of children.
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Precautionary statements Prevention

P281	Use personal protective equipment as required.
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Precautionary statements Response

P308 + P313	IF exposed or concerned: Get medical advice/attention.
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Precautionary statements Storage

P405	Store locked up.
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Precautionary statements Disposal

P501	Dispose of contents/container to Dispose of waste according to applicable legislation..
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Additional information:

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


2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1. Substances

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 75-09-2 EC No.: 200-838-9 REACH No.: 01-2119480404-41	dichloromethane Carc. 2  Warning H351	60 - ≤ 100 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Remove affected person from the danger area and lay down.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest.

In case of skin contact:

Subsequently wash off with: Water and soap.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

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4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Excess water. Extinguishing powder. Water spray.

Unsuitable extinguishing media:

none

5.2. Special hazards arising from the substance or mixture

none

Hazardous combustion products:

Carbon monoxide

5.3. Advice for firefighters

The product is not: Combustible

5.4. Additional information

none

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment.

Protective equipment:

Wear protective gloves.

6.1.2. For emergency responders

Personal protection equipment:

Protective clothing.

6.2. Environmental precautions

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

For containment:

Suitable material for taking up: Absorbing material, organic

For cleaning up:

Clear contaminated areas thoroughly.

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists

Fire prevent measures:

No special fire protection measures are necessary.

Measures to prevent aerosol and dust generation:

not applicable

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Environmental precautions:

Shafts and sewers must be protected from entry of the product.

Advices on general occupational hygiene

General health and safety measures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

No special measures are necessary.

Packaging materials:

none

Requirements for storage rooms and vessels:

No special measures are necessary.

Hints on storage assembly:

none

Storage class: 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

No special fire protection measures are necessary.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	dichloromethane CAS No.: 75-09-2	① 100 ppm (383 mg/m ³) ② 200 ppm (706 mg/m ³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	dichloromethane CAS No.: 75-09-2	① 50 ppm (180 mg/m ³) ② 100 ppm (360 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	dichloromethane CAS No.: 75-09-2	500 µg/L	① Dichlormethan ② Blut ③ Expositionsende bzw. Schichtende
BLV (EU)	dichloromethane CAS No.: 75-09-2	3 mg	① Methylene chloride ② urine ③ no restriction
BLV (EU)	dichloromethane CAS No.: 75-09-2	1 mg/L	① Methylene chloride ② blood ③ no restriction

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route ③ Exposure time
dichloromethane CAS No.: 75-09-2	706 mg/m ³	① DNEL worker ② inhalative, long-term, systemic ③ 8 h
dichloromethane CAS No.: 75-09-2	12 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
Substance name	PNEC Value	① PNEC type
dichloromethane CAS No.: 75-09-2	0.31 mg/l	① PNEC aquatic, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No special measures are necessary.

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses

Skin protection:

Gloves with long cuffs. Suitable material: Butyl caoutchouc (butyl rubber) Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Respiratory protection necessary at: insufficient exhaust

Thermal hazards:

Non-combustible liquids.

Other protection measures:

none

8.2.3. Environmental exposure controls

No special environmental measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: Chloroform

Odour threshold: not relevant

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not applicable</i>			
Melting point	-95 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	40 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	605 °C			

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parameter		at °C	Method	Remark
Upper/lower flammability or explosive limits	13 - 22 Vol-%			
Vapour pressure	584 hPa	25 °C		
Vapour density	<i>not determined</i>			
Density	1.33 g/cm ³	20 °C	DIN 12791	
Bulk density	<i>not determined</i>			
Water solubility	13 g/l	25 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No known symptoms to date.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

none

10.4. Conditions to avoid

Temperature < 50°C

10.5. Incompatible materials

none

10.6. Hazardous decomposition products

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
75-09-2	dichloromethane	LD₅₀ oral: 2,136 g/m ³ LC₅₀ Acute inhalation toxicity (gas): 88 g/m ³

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Serious eye damage/eye irritation

Carcinogenicity:

Evidence for human carcinogenicity.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
75-09-2	dichloromethane	LC₅₀: 193 mg/l EC₅₀: 590 mg/l

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12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
75-09-2	dichloromethane	No	

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OW}	Bioconcentration factor (BCF)
75-09-2	dichloromethane	1.25	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
75-09-2	dichloromethane	—

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

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

20 01 30	detergents other than those mentioned in 20 01 29
20 03 01	mixed municipal waste

Waste code packaging:

20 01 39	plastics
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Waste treatment options

Appropriate disposal / Product:


Dispose of waste according to applicable legislation.

Appropriate disposal / Package:

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 1593	UN 1593	UN 1593	UN 1593
14.2. UN proper shipping name			
DICHLOROMETHANE	DICHLOROMETHANE	DICHLOROMETHANE	DICHLOROMETHANE
14.3. Transport hazard class(es)			
 6.1			
14.4. Packing group			
III			

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5. Environmental hazards			
No	No	-	-
14.6. Special precautions for user			
Special provisions: Limited quantity (LQ): 5 L Excepted Quantities (EQ): Hazard identification number (Kemler No.): 60 Classification code: T tunnel restriction code: (E) Remark:	Special provisions: Excepted Quantities (EQ): Classification code: - Remark:	Special provisions: Excepted Quantities (EQ): EmS-No.: Remark:	Special provisions: Excepted Quantities (EQ): Remark:

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
none

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

VOC-value (in g/L): 100

15.1.2. National regulations



[DE] National regulations

Restrictions of occupation

none

Technische Anleitung Luft (TA-Luft)

Klasse 1:

100

Anteil 1:

100 %

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Description:

slightly hazardous to water (WGK 1)

Remark:

Documentation of self-classification carried out according to VwVwS, 3a.

Technische Regeln für Gefahrstoffe

TRGS 510

Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Informationen (BGI)

Relevante arbeitsmedizinische Vorschriften

Emission limitation for halogenated VOCs (2nd BImSchV)

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Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

Echa

16.3. Key literature references and sources for data

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Carcinogenicity (Carc. 2)	H351: Suspected of causing cancer.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H351	Suspected of causing cancer.

16.6. Training advice

Draw up and observe skin protection programme.

16.7. Additional information

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.