

Safety Data Sheet

according to UK REACH Regulation

Felgenfolie

Revision date: 30.09.2021

Product code: 7100

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

1.1. Product identifier

Felgenfolie

UFI: GNF8-D000-P0E0-WD57

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

Use of the substance/mixture

Aerosol Paint, Varnish.

Uses advised against

Do not use for products which come into contact with the food stuffs.

1.3. Details of the supplier of the safety data sheet

Company name:	mibenco gmbh	
Street:	Am Sportplatz 5	
Place:	D-63791 Karlstein	
Telephone:	+49 6188 9575-20	Telefax: +49 6188 9575-40
e-mail:	info@mibenco.com	
Internet:	www.mibenco.com	
Responsible Department:	Geschäftsführung +49 6188 9575-20	

1.4. Emergency telephone number:

Giftnotrufzentrale Mainz +49 (0) 06131/19240 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:
 Aerosol: Aerosol 1
 Acute toxicity: Acute Tox. 4
 Skin corrosion/irritation: Skin Irrit. 2
 Hazardous to the aquatic environment: Aquatic Chronic 3
 Hazard Statements:
 Extremely flammable aerosol.
 Pressurised container: May burst if heated.
 Harmful in contact with skin or if inhaled.
 Causes skin irritation.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

xylene
 1,2,4-trimethylbenzene

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.

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Precautionary statements

P103	Read carefully and follow all instructions.
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Special labelling of certain mixtures

EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Aerosole

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
115-10-6	dimethyl ether			40 - < 45 %
	204-065-8	603-019-00-8		
	Flam. Gas 1; H220			
1330-20-7	xylene			30 - < 35 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
13463-67-7	titanium dioxide			1 - < 5 %
	236-675-5	022-006-00-2		
	Carc. 2; H351			
95-63-6	1,2,4-trimethylbenzene			1 - < 5 %
	202-436-9	601-043-00-3		
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2; H226 H332 H315 H319 H335 H411			
64742-49-0	Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrotreated light			1 - < 5 %
	265-151-9			
	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H336 H304 H411			

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1330-20-7	215-535-7	xylene	30 - < 35 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg	
95-63-6	202-436-9	1,2,4-trimethylbenzene	1 - < 5 %
		inhalation: LC50 = 18 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 5000 mg/kg	

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). No administration in cases of unconsciousness or cramps.

After inhalation

Put victim at rest, cover with a blanket and keep warm. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes. Wash thoroughly the body (shower or bath). After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Call a physician immediately. Do NOT induce vomiting. Give nothing to eat or drink.

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air. Special exposure hazards arising from the substance itself, combustion products, resulting gases: Nitrogen oxides (NO_x). Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Treat the recovered material as prescribed in the section on waste disposal. Suitable material for taking up: diatomaceous earth.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Information for safe handling: If handled uncovered, arrangements with local exhaust ventilation have to be used. The following must be prevented: inhalation. skin contact. Eye contact.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Take precautionary measures against static discharges.
Only use the material in places where open light, fire and other flammable sources can be kept away. Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Materials to avoid: Acid. Base. Oxidizing agents. Paper.

Further information on storage conditions

Store only in original container. Protect against: heat. Heating causes rise in pressure with risk of bursting.

7.3. Specific end use(s)

Aerosol Paint, Varnish.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
95-63-6	Trimethylbenzenes: 1,2,4-Trimethylbenzene	25	125		TWA (8 h)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid (creatinine)	650 mmol/mol	urine	Post shift

Additional advice on limit values

source:

8.2. Exposure controls



Appropriate engineering controls

Refer to chapter 7. No further action is necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection.

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. Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber), Butyl rubber.

Thickness of glove material: >0,4mm

penetration time (maximum wearing period): >480min

DIN-/EN-Norms: EN ISO 374

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filtering device (full mask or mouthpiece) with filter:

Environmental exposure controls

Refer to chapter 7 No further action is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol

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Colour: characteristic
 Odour: characteristic

Test method

Changes in the physical state

Melting point/freezing point: not determined
 Boiling point or initial boiling point and boiling range: -25 °C
 Flash point: -25 °C DIN EN ISO 1523

Flammability

Solid/liquid: not applicable
 Gas: not applicable

Lower explosion limits: 1 vol. %
 Upper explosion limits: 18,6 vol. %

Auto-ignition temperature: 235 °C DIN 51794

Self-ignition temperature

Solid: not applicable
 Gas: not applicable

Decomposition temperature: not determined

pH-Value: not determined

Viscosity / dynamic: not applicable

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure: 5100 hPa DIN EN 12
 (at 20 °C)

Density: not determined

Relative vapour density: not determined

9.2. Other information

Other safety characteristics

Solvent content: 75 %

Solid content: 25 %

Evaporation rate: not determined

Further Information

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

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10.4. Conditions to avoid

heat. Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

Reacts with : Alkalis (alkalis). Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Propan LC50: 56 - 80 Vol.-% (Rat , 15 min.)

Dimethylether LC50: 308 mg/L (Rat)

ATEmix calculated

ATE (inhalation aerosol) 4,478 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1330-20-7	xylene				
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
95-63-6	1,2,4-trimethylbenzene				
	oral	LD50 5000 mg/kg	Rat	RTECS	
	inhalation (4 h) vapour	LC50 18 mg/l	Rat	RTECS	
	inhalation aerosol	ATE 1,5 mg/l			

STOT-repeated exposure

Can cause frostbite. Has de-greasing effect on the skin.

Specific effects in experiment on an animal

Toxicological data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity

Harmful for Water fleas.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
95-63-6	1,2,4-trimethylbenzene					
	Acute fish toxicity	LC50 7,72 mg/l	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50 3,6 mg/l	48 h	Daphnia	ECOTOX Database	

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
95-63-6	1,2,4-trimethylbenzene	3,63

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.7. Other adverse effects

No data available

Further information

Avoid release to the environment. Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1



Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

Other applicable information (land transport)

: 190 - 327 - 625
: 2

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: D

Inland waterways transport (ADN)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0

Other applicable information (inland waterways transport)

: 190 327 625

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 381, 959
 Limited quantity: 1000 mL
 Excepted quantity: E0
 EmS: F-D, S-U

Other applicable information (marine transport)

: 63, 190, 277, 327, 959

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, FLAMMABLE
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0
 IATA-packing instructions - Passenger: 203
 IATA-max. quantity - Passenger: 75 kg
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

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Other applicable information (air transport)

: A1

14.6. Special precautions for user

Warning: Flammable gases.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28

2010/75/EU (VOC): 75 % (815 g/l)

2004/42/EC (VOC): 75 % (815 g/l)

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.



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Further 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)