



according to UK REACH Regulation

Identium Medium

Revision date: 13.09.2022 Product code: 001166 Page 1 of 6

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

1.1. Product identifier

Identium Medium

Further trade names

Identium Medium
Identium Medium Fast

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

Use of the substance/mixture

Preparation of silicone polymers and fillers with platinum-catalyst (ppm-range).

1.3. Details of the supplier of the safety data sheet

Company name: Kettenbach GmbH & Co. KG

Street: Im Heerfeld 7
Place: D-35713 Eschenburg

Telephone: + 49(0) 2774/705-0 Telefax: +49 (0)2774/705-66

e-mail: info@kettenbach.com
Internet: www.kettenbach.com
Responsible Department: Regulatory Affairs

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements

GB CLP Regulation

Precautionary statements

P501 Dispose of contents/container to Refer to any Community provisions relating to waste..
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P280 Wear protective gloves.

Additional advice on labelling

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

2.3. Other hazards

No risks worthy of mention.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Preparation of silicone polymers and fillers with platinum-catalyst (ppm-range).



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Hazardous components

CAS No	Chemical name		Quantity	
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
63148-57-2	4-Methoxyphenol		< 5 %	
	Repr. 2; H361f			
68478-92-2	Platinum			<2 %
	270-844-4			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

not applicable

After contact with skin

In general the product is not skin irritative.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Seek medical attention if problems persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Not required.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically.

6.4. Reference to other sections

No release of hazardous substances.

SECTION 7: Handling and storage



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7.1. Precautions for safe handling

Advice on safe handling

No special precautionary measures are necessary.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

Advice on general occupational hygiene

The usual precautions when handling chemicals have to be obtained.

Avoid contact with skin, eyes and clothes.

Further information on handling

No special precautionary measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special requirements.

Hints on joint storage

Not required.

Further information on storage conditions

No special requirements.

7.3. Specific end use(s)

Not required.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

8.2. Exposure controls

Appropriate engineering controls

not applicable

Individual protection measures, such as personal protective equipment

Eye/face protection

Not required.

Hand protection

Single-use gloves.

Suitable material: PE (polyethylene).

Unsuitable material: NR (Natural rubber (Caoutchouc), Natural latex).

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.

Skin protection

Not required.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste





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Colour: Catalyst: grey-white. Base: violet.

Odour: odourless

Changes in the physical state

Melting point/freezing point:

Boiling point or initial boiling point and

not applicable
not applicable

boiling range:

Explosive properties

not Explosive.

pH-Value: neutral
Water solubility: insoluble
Density (at 20 °C): ca. 1,5 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

None by intended use.

10.2. Chemical stability

None by intended use.

10.3. Possibility of hazardous reactions

None by intended use.

10.4. Conditions to avoid

None by intended use.

10.5. Incompatible materials

None by intended use.

10.6. Hazardous decomposition products

None by intended use.

Further information

Please pay attention to the Directions for Use.

SECTION 11: Toxicological information

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

Acute toxicity

Acute toxicity, oral LD50: > 2000 mg/kg Rat

Irritation and corrosivity

Irritant effect on the skin: non-irritant. Irritant effect on the eye: non-irritant.

Sensitising effects

no danger of sensitization.

11.2. Information on other hazards

Other information

None by intended use.

SECTION 12: Ecological information

12.1. Toxicity

product has not been tested.

12.2. Persistence and degradability

product has not been tested.

12.3. Bioaccumulative potential



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product has not been tested.

12.4. Mobility in soil

product has not been tested.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Further information

Do not allow to enter into surface water or drains.

1 (slightly hazardous to water)

Doesn't get into the sewage water as long as the process is carried out according to regulations.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Remove according to the regulations.

List of Wastes Code - residues/unused products

070217 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic

rubber and man-made fibres; waste containing silicones other than those mentioned in 07 02 16

List of Wastes Code - used product

200399 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND

INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other

municipal wastes; municipal wastes not otherwise specified

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)	
14.1. UN number or ID number:	N/A
14.2. UN proper shipping name:	N/A
14.3. Transport hazard class(es):	N/A
14.4. Packing group:	N/A
Inland waterways transport (ADN)	
14.1. UN number or ID number:	N/A
14.2. UN proper shipping name:	N/A
14.3. Transport hazard class(es):	N/A
14.4. Packing group:	N/A
Marine transport (IMDG)	
14.1. UN number or ID number:	N/A
14.2. UN proper shipping name:	N/A
14.3. Transport hazard class(es):	N/A
14.4. Packing group:	N/A
Air transport (ICAO-TI/IATA-DGR)	
14.1. UN number or ID number:	N/A
14.2. UN proper shipping name:	N/A
14.3. Transport hazard class(es):	N/A
14.4. Packing group:	N/A

Danger releasing substance:

N/A





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14.6. Special precautions for user

NI/A

14.7. Maritime transport in bulk according to IMO instruments

N/A

Other applicable information

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

National regulatory information

Water hazard class (D):

1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Changes

Update 2022 09 13

Relevant H and EUH statements (number and full text)

H361f

Suspected of damaging fertility.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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



Telefax: +49 (0)2774/705-66

Telephone: +49 (0)2774/705-0



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Identium Adhesive

Revision date: 17.05.2018 Product code: 226 Page 1 of 8

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

1.1. Product identifier

Identium Adhesive

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

Use of the substance/mixture

Adhesive for Identium® impression materials (Vinylsiloxanether®). Adheres to metals and acrylics.

1.3. Details of the supplier of the safety data sheet

Company name: Kettenbach GmbH & Co. KG

Street: Im Heerfeld 7

Place: D-35713 Eschenburg
Telephone: + 49(0) 2774/705-0

e-mail: info@kettenbach.com

Contact person: Regulatory Affairs Manager

Internet: www.kettenbach.com
Responsible Department: Regulatory Affairs

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3 Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye damage.

May cause drowsiness or dizziness.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

ethyl acetate butyl titanate (IV)

Signal word: Danger

Pictograms:







Hazard statements

H226 Flammable liquid and vapour. H315 Causes skin irritation.

H318 Causes serious eye damage.H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.



according to Regulation (EC) No 1907/2006

Identium Adhesive

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Store in a well-ventilated place. Keep cool.

2.3. Other hazards

P310

P403+P235

No risks worthy of mention.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Preparation based on silicone resin in organic solvents.

Hazardous components

CAS No	Chemical name			Quantity	
	EC No	Index No	REACH No		
	Classification according to Regula	tion (EC) No. 1272/2008 [CLP]	•		
141-78-6	ethyl acetate			45 - < 50 %	
	205-500-4	607-022-00-5			
	Flam. Liq. 2, Eye Irrit. 2, STOT SE	3; H225 H319 H336 EUH066	•		
1330-20-7	xylene			5 - < 10 %	
	215-535-7	601-022-00-9			
	Flam. Liq. 3, Acute Tox. 4, Acute T	ox. 4, Skin Irrit. 2; H226 H332 H312 H	1315		
100-41-4	ethylbenzene			1 - < 5 %	
	202-849-4	601-023-00-4			
	Flam. Liq. 2, Acute Tox. 4, STOT F	RE 2, Asp. Tox. 1; H225 H332 H373 H	1304		
5593-70-4	butyl titanate (IV)			1 - < 5 %	
	227-006-8				
	Flam. Liq. 3, Skin Irrit. 2, Eye Dam. 1; H226 H315 H318				

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. Seek medical attention if problems persist.

After contact with skin

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

After contact with eyes

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

Vomiting Call a physician immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2).



according to Regulation (EC) No 1907/2006

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Sand.

Extinguishing powder.

Unsuitable extinguishing media

Water

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

No release of hazardous substances.

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Further information on handling

No special precautionary measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool place.

Store only in original container.

Further information on storage conditions

Protect against: heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL





according to Regulation (EC) No 1907/2006

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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	650 mmol/mol	urine	Post shift

8.2. Exposure controls

Protective and hygiene measures

Avoid contact with skin, eyes and clothes. Change contaminated clothing. Wash hands before breaks and after work. Protect skin by using skin protective cream.

Eye/face protection

Framed glasses.

Hand protection

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.

Hand protection: Suitable material: Butyl rubber.

Skin protection

Wear suitable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid Colour: blue

Odour: characteristic

Changes in the physical state

Initial boiling point and boiling range: >70 °C

Flash point: 3 °C

Lower explosion limits: 2,1 vol. %

Upper explosion limits: 11,5 vol. %

Ignition temperature: > 400 °C

Vapour pressure: < 102 hPa (at 20 °C)

Density (at 20 °C): <1,1 g/cm³

Density (at 20 °C): <1,1 g/cm³
Water solubility: practically insoluble

(at 20 °C)

9.2. Other information

Formation of potentially explosive vapor/air mixtures is possible.

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

None by intended use.

10.5. Incompatible materials

none



Kettenbach GmbH & Co. KG

according to Regulation (EC) No 1907/2006

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10.6. Hazardous decomposition products

none

Further information

Highly flammable. Vapours may form explosive mixtures with air.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Irritant effect on the skin: Not an irritant. Irritant effect on the eye: irritant.

Respiratory or skin sensitisation: no danger of sensitization.

ATEmix tested

Dose Species Source

LD50, oral >10000 mg/kg Rat

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
1330-20-7	xylene					
	dermal	ATE mg/kg	1100			
	inhalative vapour	ATE	11 mg/l			
	inhalative aerosol	ATE	1,5 mg/l			
100-41-4	ethylbenzene					
	oral	LD50 mg/kg	3500	@N11.P0000002	GESTIS	
	dermal	LD50 mg/kg	15400	@N11.P0000003	GESTIS	
	inhalative (4 h) vapour	LC50	17,2 mg/l	@N11.P0000002		
	inhalative aerosol	ATE	1,5 mg/l			

Additional information on tests

Preparation not tested. No data available.

Further information

Harmful by inhalation and if swallowed.

Hazards identification: Nausea. Headache. Vapours may cause drowsiness and dizziness.

After skin contact: Has de-greasing effect on the skin.

Following eye contact: Irritant.

Harmful: may cause lung damage if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
100-41-4	ethylbenzene						
	Acute algae toxicity	ErC50	3,6 mg/l	96 h		GESTIS	

12.3. Bioaccumulative potential



according to Regulation (EC) No 1907/2006

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
100-41-4	ethylbenzene	3,15

Further information

Leakage into the environment must be prevented.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not remove with domestic waste. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT

KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

Waste disposal number of used product

200399 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND

INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other

municipal wastes; municipal wastes not otherwise specified

Contaminated packaging

Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1866 **14.2. UN proper shipping name:** Resin solution

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Classification code: F1
Special Provisions: 640D
Excepted quantity: E2
Transport category: 2
Hazard No: 33

Inland waterways transport (ADN)

14.1. UN number:UN 186614.2. UN proper shipping name:Resin solution

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3





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Classification code: F1
Special Provisions: 640C
Limited quantity: 5 L
Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number:UN 186614.2. UN proper shipping name:Resin solution

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Special Provisions:

Limited quantity:

Excepted quantity:

E2

EmS:

F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:UN 186614.2. UN proper shipping name:Resin solution

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Special Provisions:

Limited quantity Passenger:

Passenger LQ:

Y341

Excepted quantity:

E2

IATA-packing instructions - Passenger: 353
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 364
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information

Changes

Update 2018-05-17



according to Regulation (EC) No 1907/2006

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

cicvant in and E	zori statements (namber and rail text)
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

@N16.P0000001 @N16.P0000002

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