

INFORMATION

KLEBI SKIN ADHESIVE

Description:

Water soluble liquid adhesive to maintain position of hosiery, orthopaedic aids, bandages and other textile articles

Non-slip fixing of textile articles; skin compatible; non-toxic; water soluble; non-staining; easy to wash off



Directions for use:

Remove cap; simply roll on to skin and press article into place. For support stockings – pull up stockings; turn down topband; apply adhesive around leg several times; pull up top band and press into place; replace cap tightly and store in an upright position.

During use: discontinue use if irritation occurs

After use: remove adhesive with water

Components:

Cap and ball are polypropylene (pp 05); bottle is high density polypropylene (pe 2); Propan-2-ol, Isopropyl alcohol. See below for safety sheet.

Nb: components can be found in current retail cosmetics and food products.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 1 of 10

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

1.1. Product identifier

Schiebler Klebi

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

Use of the substance/mixture

Medical Devices: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name: Ultrana GmbH

Street: Mackstraße 112

Place: D-88348 Bad Saulgau

Telephone: +49 (0) 7581 2007298

Telefax: +49 (0) 7581 2007685

Contact person: Joachim Traub

e-mail: info@ultrana.de

Internet: www.ultrana.de

1.4. Emergency telephone

Outside normal business hours:

number:

UK: NHS 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Classification for mixtures and used evaluation method: see section 16.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Propan-2-ol, Isopropyl alcohol

Signal word: Danger

Pictograms:



Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

P233 Keep container tightly closed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 2 of 10

P370+P378 In case of fire: Use water to extinguish.
P405 Store locked up.
P501 Dispose of only empty container to the collection of recyclables.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-63-0	Propan-2-ol, Isopropyl alcohol			25 - < 50 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

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

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

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

Rinse mouth immediately and drink plenty of water.

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

No information 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

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x).

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 3 of 10

with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

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). Clear contaminated areas thoroughly.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

7.3. Specific end use(s)

Medical Devices: Adhesives, sealants.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 4 of 10

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
67-63-0	Propan-2-ol, Isopropyl alcohol			
Worker DNEL, long-term		dermal	systemic	888 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	500 mg/m ³
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	319 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	89 mg/m ³
56-81-5	Glycerol			
Consumer DNEL, long-term		inhalation	local	33 mg/m ³
Consumer DNEL, long-term		oral	systemic	229 mg/kg bw/day

PNEC values

CAS No	Substance	Value
67-63-0	Propan-2-ol, Isopropyl alcohol	
Freshwater		140,9 mg/l
Freshwater (intermittent releases)		140,9 mg/l
Marine water		140,9 mg/l
Freshwater sediment		552 mg/kg
Marine sediment		552 mg/kg
Secondary poisoning		160 mg/kg
Micro-organisms in sewage treatment plants (STP)		2251 mg/l
Soil		28 mg/kg
56-81-5	Glycerol	
Freshwater		0,885 mg/l
Freshwater (intermittent releases)		8,85 mg/l
Marine water		0,0885 mg/l
Freshwater sediment		3,3 mg/kg
Marine sediment		0,330 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		0,141 mg/kg

8.2. Exposure controls

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Eye protection: not required.

Hand protection

Hand protection is not required

Skin protection

Body protection: not required.

Respiratory protection

Usually no personal respiratory protection necessary.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 5 of 10

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid: viscous
 Colour: light yellow, clear
 Odour: like: Isopropanol

Test method

pH-Value (at 20 °C): pH 5

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: 82,4 °C
 Flash point: 16 °C ASTM D 56

Flammability

Solid: not determined
 Gas: not applicable

Explosive properties

Vapours can form explosive mixtures with air.

Lower explosion limits: 2 vol. %
 Upper explosion limits: 12 vol. %
 Ignition temperature: 420 °C

Auto-ignition temperature

Solid: not determined
 Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: 42 hPa
 (at 20 °C)
 Vapour pressure: 123 hPa
 (at 50 °C)

Density (at 20 °C): 0,95 g/cm³

Water solubility: completely miscible
 (at 20 °C)

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable.

10.2. Chemical stability

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 6 of 10

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	Propan-2-ol, Isopropyl alcohol				
	oral	LD50 > 2000 mg/kg	Rat	Information taken from reference works and the literature.	
	dermal	LD50 > 2000 mg/kg	Rabbit	Information taken from reference works and the literature.	
	inhalation (4 h) vapour	LC50 30 mg/l	Rat		

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Propan-2-ol, Isopropyl alcohol)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	Propan-2-ol, Isopropyl alcohol					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Leuciscus idus (golden orfe)	Information taken from reference works and the literature.
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	13299	48 h	Daphnia magna (Big water flea)	Information taken from reference works and the literature.
	Acute bacteria toxicity	(> 1000 mg/l)			Activated sludge	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-63-0	Propan-2-ol, Isopropyl alcohol			
	Biodegradation, Activated sludge	53 %	5	
	Readily biodegradable.			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	Propan-2-ol, Isopropyl alcohol	0,05

12.4. Mobility in soil

The 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 REACH, annex XIII.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

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

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of used product

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 8 of 10

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

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 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, Isopropyl alcohol)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 274 601 640C
Limited quantity: 1 L
Excepted quantity: E2
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

Other applicable information (land transport)

Transport as "limited quantity" according to chapter 3.4 ADR/RID

Inland waterways transport (ADN)

14.1. UN number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, Isopropyl alcohol)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 274 601 640C
Limited quantity: 1 L
Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, Isopropyl alcohol)
14.3. Transport hazard class(es): 3

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 9 of 10

14.4. Packing group:

II

Hazard label:

3



Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

EmS:

F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

UN 1993

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, Isopropyl alcohol)

14.3. Transport hazard class(es):

3

14.4. Packing group:

II

Hazard label:

3



Special Provisions:

A3

Limited quantity Passenger:

1 L

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

14.6. Special precautions for user

Warning: Combustible liquid. No special measures are necessary.

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

No transport as bulk according to IBC Code.

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 40: Propan-2-ol, Isopropyl alcohol

2010/75/EU (VOC):

43 % (408,5 g/l)

Information according to 2012/18/EU (SEVESO III):

P5c FLAMMABLE LIQUIDS

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D):

1 - slightly water contaminating

Substance/product listed in the following inventories

(EU) EINECS/ELINCS/NLP:

unknown

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schiebler Klebi

Revision date: 09.08.2018

Product code: 2509

Page 10 of 10

(RC) TCSI:	unknown
(NZ) NZIoC:	unknown
(USA) TSCA:	unknown
(USA) FDA:	unknown
(CHN) CEPA:	unknown
(CDN) DSL:	unknown
(ROK) KECI/ECL:	unknown
(RP) PICCS:	unknown
(JP) MITI:	unknown
(CHN) IECSC:	unknown
(AUS) AICS:	unknown
(JP) ISHL:	unknown
(CDN) NDSL:	unknown

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,5,9,14,15,16.

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%

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

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances 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.)