

## Material Safety Data Sheet

SDS date: 13-02-2017

SDS version: 1.1

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

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#### 1.1. Product Identifier

**Trade Name:** UHU Karlsons Glue

Product- no.: -

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

Recommended uses: Glue

#### 1.3. Details of the supplier of the safety data sheet

##### Company and address

Creotime.com

Rasmus Færchs Vej 23

DK7500 Holstebro

Tlf.: +45 96 13 30 10

##### Contact person and E-mail:

Tina Andresen, [info@creotime.com](mailto:info@creotime.com)

##### The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

#### 1.4. Emergency telephone number

Use your national or local emergency number - See section 4 "First aid measures".

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## SECTION 2: Hazards identification

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### 2.1. Classification of the substance or mixture

CLP (1272/2008): Flam. Liq. 2;H225.

See full text of H-phrases in section 16.

### 2.2. Label elements



#### Signal word:

Danger

Highly flammable liquid and vapour. (H225)

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

Keep out of reach of children. (P102)

Read label before use. (P103)

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

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

Keep container tightly closed. (P233)

Ground/bond container and receiving equipment. (P240)

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

Dispose of contents/container in accordance with local regulation. (P501)

### 2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

#### Additional labelling:

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#### Additional warnings:

The product is classified on the basis of supplier information.

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## SECTION 3: Composition/information on ingredients

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### 3.1./3.2. Substances/Mixtures

Substance	EU-Index no.	Cas / EINECS no.	CLP-classification	w/w%	Note
Methyl acetate	607-021-00-X	79-20-9/ 201-185-2	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336, EUH066	50-100	1
Ethanol	603-002-00-5	64-17-5/ 200-578-6	Flam. Liq. 2;H225	5-10	1
Acetone	606-001-00-8	67-64-1/ 200-622-2	Flam Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336, EUH066	5-10	1

1 = The substance is an organic solvent.

For the wording of the listed risk phrases refer to section 16.

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## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

Inhalation:	Seek fresh air. Keep victim under observation. Seek medical advice in case of discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice.
Skin contact:	Wash skin thoroughly with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Remove contact lenses. Seek medical advice if symptoms persist.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Additional information:	When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

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

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

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

When obtaining medical advice, show the safety data sheet or label.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

Extinguish with powder, foam or carbon dioxide. Do not use water stream, as it may spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. Avoid inhalation of vapour and fumes – seek fresh air. Product decomposes in fire conditions and toxic gases such as CO<sub>x</sub> may be released.

### 5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment. Avoid breathing and contact with skin and eyes.

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water - See section 12.

### 6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. See section 13 for instructions on disposal.

#### 6.4. Reference to other sections

See above.

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### SECTION 7: Handling and storage

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#### 7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment. Use the product under well-ventilated conditions. Running water and eye wash equipment should be available. Smoking and naked flames prohibited.

#### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store fireproof. Storage for flammable liquids must follow local regulations for flammable stock.

#### 7.3. Specific end use(s)

See section 1.

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### SECTION 8: Exposure controls/personal protection

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#### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Second edition, 2011):

Substance	Long-term exposure limit	Short-term exposure limit	Note
Methyl acetate	200 ppm - 616 mg/m <sup>3</sup>	250 ppm - 770 mg/m <sup>3</sup>	-
Ethanol	1000 ppm - 1920 mg/m <sup>3</sup>	-	-
Acetone	500 ppm - 1210 mg/m <sup>3</sup>	1500 ppm - 3620 mg/m <sup>3</sup>	-

#### DNEL and PNEC values:

##### Methyl acetate - DNEL:

Dermal	Long Term	Systemic effects	Workers	88 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	610 mg/m <sup>3</sup>
Inhalation	Long Term	Local effects	Workers	305 mg/m <sup>3</sup>
Oral	Long Term	Systemic effects	General population	44 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	44 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	131 mg/m <sup>3</sup>
Inhalation	Long Term	Local effects	General population	152 mg/m <sup>3</sup>

##### Acetone - DNEL:

Inhalation	Short term	Local effects	Workers	2420 mg/m <sup>3</sup>
Dermal	Long Term	Systemic effects	Workers	186 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	1210 mg/m <sup>3</sup>
Oral	Long Term	Systemic effects	General population	62 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	62 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	200 mg/m <sup>3</sup>

##### Ethanol – DNEL:

Inhalation	Short term	Local effects	Workers	1900 mg/m <sup>3</sup>
Dermal	Long Term	Systemic effects	Workers	343 mg/kg bw/day
Inhalation	Long Term	Systemic effects	Workers	950 mg/m <sup>3</sup>
Inhalation	Short term	Local effects	General population	950 mg/m <sup>3</sup>
Oral	Long Term	Systemic effects	General population	87 mg/kg bw/day
Dermal	Long Term	Systemic effects	General population	206 mg/kg bw/day
Inhalation	Long Term	Systemic effects	General population	114 mg/m <sup>3</sup>

##### Methyl acetate - PNEC:

Water	Fresh	0.12 mg/L
Water	Marine	0.012 mg/L
Water	Intermittent releases	1.2 mg/L
Soil	-	0.0416 mg/kg soil dw

**Ethanol – PNEC:**

Water	Fresh	0.96 mg/L
Water	Marine	0.79 mg/L
Water	Intermittent releases	2.75 mg/L
Soil	-	0.63 mg/kg soil dw

**Acetone - PNEC:**

Water	Fresh	10,6 mg/L
Water	Marine	1,06 mg/L
Water	Intermittent releases	21 mg/L
Soil	-	29.5 mg/kg soil dw

**8.2. Exposure controls**

There are no exposure scenarios for this product.

**Appropriate engineering controls:**

Wash hands before breaks, before using restroom facilities, and at the end of the work. Wear the personal protective equipment specified below. Do not eat, drink or smoke when using this product.

**Personal protective equipment:**



Breathing equipment:	Normally not required. In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter.
Hand protection:	Wear protective gloves made of nitrile rubber, butyl rubber (EN 374).
Eye protection:	Wear safety goggles if there is a risk of dust contact with eyes.
Body and skin protection:	Not required.

**Environmental exposure controls:**

Make sure that when using the product damming material is available in immediate vicinity. If possible use spillage tray during work.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance:	Colourless liquid
Odour:	Ester-like
Odour threshold:	-
pH:	-
Melting point/ Freezing Point (°C):	-
Initial boiling point and boiling range (°C):	55
Flash point (°C):	-13
Evaporation rate:	-
Flammability (solid, gas)	425
Upper / lower flammability or explosion limits (vol-%):	3,1-16
Vapour pressure (mbar, 25 °C):	220
Vapour density (air=1)	-
Relative density:	0,99
Solubility(ies):	Soluble with water
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity:	4400
Explosive properties:	-
Oxidising properties:	-

### 9.2. Other information

Solvent content:	
Organic solvents (%):	65,9
Water(%):	0,4
VOC (EU) (%):	65,85
Solids content (%):	33,8

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Non-reactive.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions. Combustible at temperatures above the flash point.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Avoid contact with strong bases, strong oxidizing agents, strong reducing agents, strong acids.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO<sub>x</sub> may be released.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance	Route of exposure	Species	Test	Result
Acetone	Oral	Rat	LD50	5800 mg/kg bw
Acetone	Inhalation	Rat	LC50 / 3 h	55700 ppm
Acetone	Dermal	Rabbit	LD50	> 7426 mg/kg bw
Ethanol	Oral	Rat	LD50	10470 mg/kg bw
Ethanol	Inhalation	Rat	LC50 / 4 h	124.7 mg/L air
Ethanol	Dermal	Rabbit	LD50	> 20000 mL/kg bw
Methyl acetate	Oral	Rat	LD50	6482 mg/kg bw
Methyl acetate	Inhalation	Rabbit	LC0 / 4 h	49.2 mg/L air
Methyl acetate	Dermal	Rat	LD50	> 2000 mg/kg bw

Symptoms:

**Inhalation:** The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

**Ingestion:** Ingestion may cause nausea, discomfort and vomiting.

**Skin contact:** May irritate the skin – may cause reddening.

**Eye contact:** May cause eye irritation.

**Long term effects:**

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Test duration	Species	Test	Result
Acetone	96 h	Fish	LC50	7280 mg/L
Acetone	48 h	Daphnia	LC50	8800 mg/L
Acetone	14 d	Algae	EC50	2844 mg/L
Ethanol	96 h	Fish	LC50	14.2 g/L
Ethanol	48 h	Daphnia	LC50	5012 mg/L
Ethanol	72 h	Algae	EC50	275 mg/L
Methyl acetate	96 h	Fish	LC50	>= 250 <= 350 mg/L
Methyl acetate	48 h	Daphnia	EC50	1026.7 mg/L
Methyl acetate	72 h	Algae	EC50	> 120 mg/L

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Acetone	Yes	OECD 301B	90,9% after 28 days
Ethanol	Yes	OECD 301B	97% after 28 days
Methyl acetate	Yes	OECD 301D	70% after 28 days

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Acetone	No	-0,23	-
Ethanol	No	-0,35	-
Methyl acetate	No	0,37	-

#### 12.4. Mobility in soil

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#### 12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

#### 12.6. Other adverse effects

None.

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### SECTION 13: Disposal considerations

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#### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

##### EWC Code

08 04 09

#### Specific labelling

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#### Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

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### SECTION 14: Transport information

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The product is covered by the rules for transport of dangerous goods.

#### 14.1 -14.4.

##### ADR

UN-no.:	Proper shipping name	Transport hazard class(es)	Packing group
1133	ADHESIVES	3	III

##### IMDG

UN-no.:	Proper shipping name	Transport hazard class(es)	Packing group
1133	ADHESIVES	3	III

#### 14.5. Environmental hazards

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#### 14.6. Special precautions for user

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

Not relevant.

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### SECTION 15: Regulatory information

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

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#### Restrictions for application:

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#### Demands for specific education:

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#### Additional labelling:

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## 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

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## SECTION 16: Other information

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### Other information:

#### Sources:

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

EH40/2005 WELs (United Kingdom (UK), 8/2007).

#### Full text of H-phrases as mentioned in section 2+3:

H225 - Highly flammable liquid and vapour

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

EUH066 - Repeated exposure may cause skin dryness or cracking.

#### Other

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#### Minor changes have been made in following sections:

1-16.

#### This material safety data sheet replaces version:

1.0 (16-09-2013).

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