

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



87030 BEVA® 371 Hot-Sealing Adhesive - 1 I

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Revised edition: 07.01.2020

Version: 2

Printed: 07.01.2020

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: BEVA® 371 Hot-Sealing Adhesive - 1 I

Article No.: 87030

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Heat-seal adhesive

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Flammable liquids, hazard category 2

Skin irritation, hazard category 2

Specific Target Organ Toxicity (single exposure), hazard category 3

Reproductive toxicity, hazard category 2

Specific target organ toxicity (repeated exposure), hazard category 2

Chronic aquatic toxicity, hazard category 2

H225 Highly flammable liquid and vapour.

Cat.: 2

H315 Causes skin irritation.

Cat.: 2

H336 May cause drowsiness or dizziness.

Cat.: 3

H361d Suspected of damaging the unborn child.

Cat.: 2

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

Cat.: 2

H411 Toxic to aquatic life with long lasting effects.

Cat.: 2

Possible Environmental Effects:

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2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:



GHS02-2



GHS07



GHS08



GHS09

Signal word:

Danger

Hazard designation:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Safety designation:

P201	Obtain special instructions before use.
P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313	If exposed or concerned: Get medical advice/attention.

Hazardous components for labelling:

Toluene

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous

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Ingredients:

Hydrocarbons, C9-C10, n-Alkanes, Isoalkanes, Cyclenes, <2 % Aromatics (Xn; R10-65-66-67; H226-336-304); REACH Reg. No. 01-2119463586-28	7 - 9 %	CAS-Nr: EINECS-Nr: 927-344-2 EC-Nr:
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Toluene (H225-304-315-336-361d-373-412); REACH Reg.-No. 01-2119471310-51-xxxx	24 - 29 %	CAS-Nr: 108-88-3 EINECS-Nr: 203-625-9 EC-Nr: 601-021-00-3
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Hydrocarbons, C7-C9, Isoalkanes (H225-304-315-336-411); REACH Reg. No. 01-2119471305-42	15 - 20 %	CAS-Nr: EINECS-Nr: 921-728-3 EC-Nr:
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Naphtha (petroleum), hydrotreated heavy (Asp.Tox.1, H304); REACH Reg. No. 01-2119457273-39	10 - 16 %	CAS-Nr: 64742-48-9 EINECS-Nr: 265-150-3 EC-Nr: 649-327-00-6
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

Give artificial respiration in case breathing is not regular or if it has stopped.

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

Wash contaminated clothing before reuse.

After eye contact:

Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Should irritation continue, seek medical advice.

After ingestion:

Immediately get medical help.

Do not induce vomiting.

Never give anything by mouth to an unconscious person.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

5. Fire-Fighting Measures

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5.1. Extinguishing Media

Suitable extinguishing media:

Foam, CO₂, dry extinguishing powder.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous gases/vapors may be released.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

Cool exposed containers with water spray.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent, inert material (sand, diatomaceous earth, acid absorbent) and dispose accordingly.

6.4. Reference to other Sections

Dispose of contaminated material according to Section 13.

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Keep away from flames and sparks.

Provide adequate ventilation, also in floor area (vapors are heavier than air).

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated

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location.

Protect product from direct sunlight.

Keep away from ignitable sources, heat and fire.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

Take measures to prevent static electricity discharge, earth/ground all equipment.

Ground and bond containers when transferring material.

Storage class:

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Toluene (CAS 108-88-3); TWA (D): 190 mg/m³, 50 ppm (4)

Parameters to be controlled:

Toluene: GB (TWA/8h: 191 mg/m³, 50 ppm; STEL/15min: 384 mg/m³, 100 ppm (skin)); IRL (TWA/8h: 192 mg/m³, 50 ppm; STEL/15min: 384 mg/m³, 100 ppm (skin)); TLV-ACGIH (TWA/8h: 75.4 mg/m³, 20 ppm)

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Technical protective measures have priority to personal protective measures.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Personal Protection

General protective measures:

Avoid contact with eyes and skin.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation. Filter type AX-P2 (organic vapors).

Hand protection:

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Protective gloves (EN 374)

Protective glove material:

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

*Protective clothing, antistatic.
Safety shoes (EN 344).*

Environmental precautions:

*Prevent contamination of open water ways and sewage system.
Avoid contamination of ground water.*

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>gel</i>
<i>Color:</i>	<i>opalescent</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not available</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>< 21°C</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not available</i>

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<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not determined</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>No information available.</i>

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Vapors in combination with air can form an explosive compound.

Toluene:

Risk of explosion with fuming sulfuric acid, nitric acid, silver perchlorates, nitrogen dioxide, non-metal halogenides, acetic acid, organic nitrocompounds.

Vigorous reactions possible with strong oxidizing agents, strong acids, sulfur.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid direct sunlight and heat.

Avoid electrostatic charging.

Thermal decomposition:

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10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

In the event of fire: see chapter 5.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

This product must be handled correctly because of its possible teratogenic effects, which may be toxic and damage the foetus.

Acute Toxicity

LD50, oral:

Symptoms: ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

LD50, dermal:

Symptoms: irritation, erythema, edema, dryness and chapped skin.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Irritating to skin.

Irritant effect on eyes:

Slight irritant effect possible.

Inhalation:

Can cause irritation of the respiratory system.

Ingestion:

Harmful if swallowed.

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

Suspected of damaging the unborn child.

Carcinogenicity:

No relevant data found.

Teratogenicity:

Toluene is embryofetotoxic and teratogenic.

Specific target organ toxicity (STOT):

*Single exposure: may cause drowsiness or dizziness.
Repeated exposure: may cause damage to organs through prolonged or repeated exposure.*

Additional toxicological information:

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Long-term exposure may cause dry skin and mucous membranes, anorexia, weight loss, vomiting, diarrhea, skin rash, hair loss, consulsions and anemia.

Toluene: It has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis). Irritating to the skin, conjunctivae, cornea and respiratory system.

12. Ecological Information

12.1. Aquatic Toxicity

Toxic for aquatic organisms. In the long-term, it has negative effects on the aquatic environment.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

12.6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

Must be treated as toxic waste according to local laws and regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

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14.1.	UN Number	
	<i>ADR, IMDG, IATA</i>	1263
14.2.	UN Proper Shipping Name	
	<i>ADR/RID:</i>	FARBE
	<i>IMDG/IATA:</i>	PAINT
14.3.	Transport Hazard Classes	
	<i>ADR Class:</i>	3
	<i>Hazard no.:</i>	3
	<i>Classification code:</i>	F1
	<i>Tunnel restriction code:</i>	D/E
	<i>IMDG Class (sea):</i>	3
	<i>Hazard no.:</i>	
	<i>EmS No.:</i>	F-E, S-E
	<i>IATA Class:</i>	3
	<i>Hazard no.:</i>	3
14.4.	Packaging Group	
	<i>ADR/RID:</i>	II
	<i>IMDG:</i>	II
	<i>IATA:</i>	II
14.5.	Environmental Hazards	
		<i>Labelling according 5.2.1.8 ADR/RID: fish and tree</i>
		<i>Labelling according 5.2.1.6.3 IMDG: fish and tree</i>
14.6.	Special Precautions for User	
14.7.	Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code	
14.8.	Further Information	

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (German Regulation)

Local regulations on chemical accidents:

Seveso-III Directive (2012/18/EU):

Appendix 1, No. 7b, 9b

Employment restrictions:

Restriction and prohibition of application:

Toluene (108-88-3):

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 48

Technical instructions on air quality:

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15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.