

87030/87031 BEVA® 371



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information:

Product Name: BEVA® 371
Article No.: 87030/87031
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Resin Solution

Hazardous components:

<i>Name of component</i>	<i>EINECS No.</i>	<i>CAS No.</i>	<i>%</i>	<i>R-Phrases</i>	<i>Hazard Symbols</i>
Toluene	203-625-9	108-88-3	20 - 30	11, 20	F, Xn
Octane and isomers	247-861-0	26635-64-3	10 - 20	11,38,50/53, 65, 67	F, Xn, N
Naphtha Petroleum (benzene <0,1 %)	265-185-4	64742-82-1	5 - 10	45, 65	T C.C. 2
Naphtha Petroleum (benzene <0,1 %)	232-298-5	8002-05-9	10 - 20	45	T C.C. 2

3. HAZARDS IDENTIFICATION

According to EEC Regulations, the product has to be labelled with the hazardous symbols F, Xn and N.

4. FIRST AID MEASURES

General information: If complaints persist, contact physician. Never give anything by mouth to an unconscious person.
After inhalation: Remove person to fresh air. If breathing is difficult or stopped, give artificial respiration.
After skin contact: Remove contaminated clothing and wash thoroughly with soap and water.
After eye contact: Rinse immediately with plenty of water or physiological solution and seek medical assistance.
After ingestion: Do not induce vomiting. Consult physician immediately.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, foam, CO₂, dry powder.
Special hazards: Burning causes dense black smoke. Firefighters should wear self-contained breathing apparatus and protective clothing to guard against hazardous decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from sources of ignition and keep working area well aired.
Environmental precautions: Prevent product from entering soil, waterways and sewerage system.
Methods of cleaning/absorption: Collect mechanically and store in adequate containers.

7. HANDLING AND STORAGE

Handling:
Instructions on safe handling: Avoid contact with skin and eyes, and do not inhale fumes.

Storage:
Storage conditions: Keep containers tightly closed and store in a well ventilated area, away from heat sources, flames and sparks. Store between +4°C and +40°C, away from oxidizing agents, alkalis and strong acids. Keep unauthorized persons away from storage areas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: Keep working area well ventilated; an adequate exhaustion system could eventually be installed.

Components with critical values that require monitoring at the workplace (ACGIH 2002 and the European Directive 2000/39/CE of June 8, 2000):

	TLV-TWA (1)		TLV-STEL (2)	
	Toluene	50 ppm	188 mg/m ³	---
Octane and Isomers	300 ppm	1401 mg/m ³	200 ppm	950 mg/m ³
Naphtha (Petroleum)	75 ppm	400 mg/m ³	---	---

(1) Limits for prolonged exposure
(2) Limits for short exposure



Personal protective equipment:	
Hygiene measures:	Wash hands before every break and after finishing work. Do not eat, drink or smoke while working.
Respiratory protection:	If personal protection is necessary during spray applications, use a respiratory apparatus suitable for organic vapors.
Eye protection:	Safety glasses.
Hand protection:	Chemically resistant plastic gloves (according to regulation EN 374).
Protective clothing:	An apron or suitable clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	gel
Color:	opal
Odor:	characteristic odor
Boiling range:	120 – 150°C
Flash point:	> 21°C (DIN 51 758)
Flammability:	not applicable
Auto-ignition temperature:	235°C
Explosion limits:	none
Density:	0.92 g/cm ³
Solubility in water: (20°C)	not soluble
Solubility in other solvents:	soluble
pH value: (20°C)	not applicable
Viscosity:	not determined

10. STABILITY AND REACTIVITY

Stability:	Product is stable if handled and stored as recommended (see part 7).
Incompatibility (materials to avoid):	Oxidation agents, strong alkali and acids.
Hazardous decomposition products:	At high temperatures, hazardous decomposition products may be evolved, such as carbon monoxide, carbon dioxide and nitrogen oxide.

11. TOXICOLOGICAL INFORMATION

The data reported is based on the toxicological behaviour of the solvents:

Acute oral toxicity:	LD50 5000 mg/kg	Species: rat
	LD50 14 g/kg	Species: rabbit

Subacute and chronic toxicity:
Repeated and long-term exposition can lead to irritation of the respiratory tract and may damage the kidneys and central nervous system.

Symptoms of poisoning: Headache, dizziness, tiredness, muscle weakness.

12. ECOLOGICAL INFORMATION

No specific data available. Do not let product pollute soil or water ways.

13. DISPOSAL CONSIDERATIONS

Product: In accordance with current regulations, product may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Containers: Containers which cannot be cleaned appropriately may be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

Land transportation:

ADR/RID-Class:	3	UN-No:	1263
Packing group:	II	Label:	3
Correct technical name:	PAINT		

Sea transportation:

IMDG/GGVSea-Class:	3	Label:	3
Packing group:	II	EmS:	3-05
UN-Number:	1263	Marine pollutant:	no
Correct technical name:	PAINT		

Air transportation:

ICAO/IATA-Class:	3	UN-No.:	1263
Packing group:	II	EmS:	3-05
Correct technical name:	PAINT		

15. REGULATORY INFORMATION

Labelling in accordance with EC guidelines: The product is subject to classification according to EC lists.

Hazardous symbols:



F Highly flammable



Xn Harmful



N Dangerous for the environment

Risk Phrases:

R 11: Highly flammable.

R 20: Harmful by inhalation.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 9: Keep container in a well-ventilated place.

S 16: Keep away from sources of ignition - No smoking.

S 23: Do not breathe vapors.

S 24/25: Avoid contact with eyes and skin.

S 29: Do not empty into drains.

National Regulations (D):

Water hazard class: 2, hazardous for water.

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 therefore not be construed as guaranteeing specific properties.