

**MATERIAL SAFETY DATA SHEET****JUBIN METAL**Page 1/4
Date of issue
Feb. 26, 2009

Version 01

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**Product name:** JUBIN METAL**Product description:** Water-based acrylic cover coat.**Producer:** JUB chemical industry
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E-mail: info@trc-jub.si**2. HAZARDS IDENTIFICATION****Human health hazards.** May cause irritation to eyes.**Environmental hazards.** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**3. COMPOSITION / INFORMATION ON INGREDIENTS****Composition:** Water-based acrylic cover paint having enamel, metallic or graphite appearance.

Hazardous ingredients	Wt.-%	CAS-No. EC-No. INDEX-No.	Danger symbol	Risk phrases
4-oxo-4-(p-tolyl)butyric acid adduct with 4-ethylmorpholine	< 5	171054-89-0 - -	Xi	41

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. Inhalation of vapour or mist can cause irritation of nose and throat.
Skin contact	Remove contaminated clothing. Wash skin with water, use soap.
Eyes contact	Flush eyes with water for 10 to 15 minutes, get medical attention.
Ingestion	Only when conscious, rinse mouth, give one or two glasses of water to drink. Obtain medical attention immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing media. / The product in liquid form as a preparation of water based polymer dispersion is not inflammable.

Fire fighting procedures. /

6. ACCIDENTAL RELEASE MEASURES

Personal precautions. Avoid contact with skin and eyes.

Environmental precautions. Prevent contamination of water. Advise authorities if product has entered or may enter watercourses. Do not empty into drains or water.

Cleaning / Disposal. Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled container for subsequent safe disposal.

7. HANDLING AND STORAGE

Handling. Avoid contact with skin and eyes.

Storage. Keep containers closed. Store at room temperature. Protect from freezing. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering control measures. /

Respiratory protection. Normally not necessary.

Hand protection. Prolonged or repeated contact with skin: wear nitrile rubber(chemical resistant) gloves.

Body protection. /

Eye protection. Use splash goggles when eye contact may occur.

Hygiene measures. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Colour:	colourless to white, colour tones
Odour:	typical
pH:	app. 8,5 – 9,5 /20°C
Boiling point / range:	n. a.
Flash point:	n. a.
Autoignition temperature:	n. a.
Density:	app. 1,24 – 1,45 kg/dm ³ /20°C
Viscosity:	tixotropic
Explosion limits:	n. a.
Vapour pressure:	n. a.
Solubility in water:	miscible with water
Solids content:	50 – 65 wt. %

10. STABILITY AND REACTIVITY

Stability. Stable under normal use conditions. The product is stable under normal conditions of storage and handling. Dangerous reactions and dangerous decomposition products are not known. Burning may form hazardous decomposition products: carbon dioxide and carbon monoxide.

Hazardous decomposition products: High temperature decomp. products CO, CO₂, NO_x.

11. TOXICOLOGICAL INFORMATION

Basis for assessment. Information given is based on data on the components and the toxicology of similar products. This product is classified as not hazardous according to EC – directives 88 / 379 / EEC. The fully cured product is not health hazardous.

12. ECOLOGICAL INFORMATION

Basis for assessment. Incomplete ecotoxicological data are available. The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.

Prevent product from reaching sewage or aquatic environment.

13. DISPOSAL CONSIDERATIONS

Liquid waste is classified as **waste – water suspension containing paints: EWC: 08 01 19***. Liquid waste must not be disposed together with domestic wastes, poured into water or in sewage system. Solid state paints treat as building material wastes, **EWC: 17 09 04**. Disposal according to the national legislation.

Waste packaging is classified as packaging containing residues or contaminated by dangerous substances: **EWC: 15 01 10***.

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14. TRANSPORT INFORMATION

ADR/RID: not classified

IMDG: not classified

15. REGULATORY INFORMATION

Danger symbol:

Xi, IRRITANT

Contains: ethyl-morpholine derivative

R- Phrases: R 36 Irritating to eyes.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S- Phrases: S 2 Keep out of reach of children.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 After contact with skin, wash immediately with plenty of water.
S 29 Do not empty into drains.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 60 This material and its container must be disposed of as hazardous waste
S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION

Explanation to R-phrase in section 3

R 41 Risk of serious damage to eyes.

This MSDS is issued in accordance with the EU Regulation 1907/2006/EC concerning REACH. The classification and labelling of the preparation are made according to the EU Directive 1999/45/EC as well as the international transport regulation is being considered.

The information contained herein relates only to the specific product identified. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release and is not to be considered a warranty or guarantee or quality specification.

It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

Date of the 1st preparation: February 26, 2009