

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 1 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name:

BOCHEMIT ESTETIK

Variants:

colorless, pine, walnut, teak, oak, mahogany, rosewood

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

Intended or recommended use of the mixture:

Synthetic Oil impregnant. The preparation is intended to for coating wood for outdoor and indoor use.

Uses advised against:

The product may not be used for protection of wood which should be in direct contact with skin, drinking water, food, feeding and for treatment of wood intended for production of children's furniture and toys.

1.3 Details of the supplier of the safety data sheet

Manufacturer trade name:

BOCHEMIE a.s.

Manufacturer address:

Lidická 326, 735 95 Bohumín, ČR

Company ID:

276 54 087

Phone number / Fax:

042 596 091 111 / 042 596 013 462

e-mail:

bochemie@bochemie.cz

e-mail of person responsible for the Safety Data Sheet:

MSDS@bochemie.cz

1.4 Emergency telephone number: 224 91 92 93; 224 91 54 02; 224 91 45 71

Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2, CZ

2. HAZARDS IDENTIFICATION

This product is classified according to Directive 1999/45/EC and Regulation No. 1272/2008/EC.

2.1 Classification of the substance or mixture

According to Directive 1999/45/EC	Xn R65; R66; R67; R52/53; R10
According to Regulation No 1272/2008/EC	Asp. Tox. 1H304; Flam Liq. 3 H226; Aquatic Chronic 3 H412; STOT SE 3 H336

- For the full wording of R-sentences and shortcut see section 16, full wording of hazard statements see section 2.2
The most important adverse physicochemical, human health and environmental effects: The mixture is flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects. May cause drowsiness or dizziness.

2.2 Label elements

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H226

Flammable liquid and vapour.

H304

May be fatal if swallowed and enters airways.

H336

May cause drowsiness or dizziness.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements: **P210**

ignition sources. No smoking.

Keep away from heat, hot surfaces, sparks, open flames and other

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 2 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P405 Store locked up.

Supplemental Hazard Information:

EUH 066 Repeated exposure may cause skin dryness or cracking.

Supplemental label elements:

EUH 208 Contains cobalt bis (2-ethylhexanoate). May produce an allergic reaction.

2.3 Other hazards

PBT or vPvB tests for mixture are not been preformed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

It not relevant – it isn't substance.

3.2 Mixtures

3.2.1 Substances in the mixture

A solution of the alkyd resin in an organic solvent with the addition of drying oils and pigment dispersion with additives.

Hazardous components	Percent age (%)	ES	CAS	Index. number	Classification acc. 67/548/EEC	Classification acc. CLP
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	<60	918-481-9		-	Xn; R66-65	Asp. Tox. 1 H304, EUH066
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	<10	919-446-0	-	-	N, R10-51/53-66-67-65	Flam. Liq.3; H226, Aquatic Chronic 2; H411, STOT SE 3; H336, Asp. Tox. 1; H304, EUH066
Solvent naphtha (petroleum), heavy arom	<2	265-198-5	64742-94-5	649-424-00-3	Xn, N; R66-67-R51/53	Asp. Tox. 1 H304, Aquatic Chronic 2 H411, STOT SE 3 H336
cobalt bis(2-ethylhexanoate)	<0,5	205-250-6	136-52-7	-	Repr. Cat. 3 R62; R43; N R50/53	Repr. 2; H361f, Skin Sens. 1; H317, Eye Irrit. 2; H319, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

For the full wording of R-sentences and hazard statements see section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

- **Inhalation:** remove the source of exposure, prevent physical strain (including walk), or seek medical help.
- **Skin contact:** take off contaminated clothing and shoes. Wash thoroughly with water and soap. According to the exposure extent, seek medical attention.
- **Eye contact:** flush immediately with large amounts of fresh water at least 15 minutes; seek medical attention.
- **Ingestion:** rinse mouth with potable water and leave victim to drink 0, 5 l of water if the subject is conscious. Do not induce vomiting, seek medical aid.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 3 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

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

In case of to eyes contact, ingestion and in the lasting irritant effect ensure medical aid (show the label).

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable: powder, CO₂, foam (light, medium, heavy).

Unsuitable: do not use water – risk of release to the sewers and environment.

5.2 Special hazards arising from the substance or mixture

In case of fire the product releases toxic gas (carbon monoxide, carbon dioxide, radian heat).

5.3 Advice for fire fighters

Protective clothing against radiant heat, suitable respiratory system protection. Closed containers cool with water spray. Avoid the escape of extinguishing media into water resources, not empty into drains

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Do not inhale vapours. Wear suitable personal protective equipment – protective clothing, gloves, as needed protective goggles and protective shield. Avoid contact with skin and eyes. In closed area provide fresh air. Remove all possible sources of ignition. No smoking and use of open flames.

6.1.2 For emergency responders

Wear suitable personal protective equipment. Avoid contact with skin and eyes. In case of accidental discharge into sewers or water courses, dilute the product with sufficient amount of water act according to local regulations and emergency plans and notify local authorities.

6.2 Environmental precautions

Avoid release to the environment. Do not empty into drains - risk of explosion.

6.3 Methods and material for containment and cleaning up

In case spill the product, use suitable absorbents (vapex, sand, clay, sawdust) and put into the labelled lockable container. Contaminated ground have to clean.

6.4 Reference to other sections

See section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation of vapour, avoid contact with skin and eyes. Wear suitable protective clothing, gloves a goggles or face shield. A mixture of vapour volatile components with air forms explosive mixture. Use only in well- ventilated areas with provision of fresh air. Observe all fire fighting measures (no smoking, do not work with an open flame, remove all possible sources of ignition). Do not eat, drink and smoke at work.

Attention: When working with substances and preparations containing organic solvents do not use contact lenses.

7.2 Conditions for safe storage, including any incompatibilities

Store the mixture in original containers and in well-ventilated area. Storage temperature from +5 to + 25 °C according to ČSN 65 0201. Keep away from food, drink, fresh water and feed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Protect against direct sunlight.

7.3 Specific and use(s)

Important information is provided by material data safety sheet, by instructions on the label or on the www pages by company – Bochemie a.s. (www.bochemie.cz).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Exposure limits values in accordance Regulation of Government No. 361/2007 of Czech Act Collection in last wording.

Exposure limits value not estimated.

8.1.2 Biological limit values

Decree No 432/2003 of Czech Act Collection does not set indication limits of biological exposure tests.

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 4 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

8.1.3 Information monitoring procedures

Monitor the concentration in the workplace according to the provisions of Regulation of Government No. 361/2007 of Czech Act Collection in last wording.

8.1.4 Value of DNEL and PNEC

Not estimated for the mixture.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation/exhaustion at workplace. Do not drink, eat or smoke during the work. Keep usual hygienic rules for handling the product and wear suitable personal protective equipment. Only the personnel familiar with the properties of the product, with handling instructions and principles of personal and environmental protection and wearing personal protective equipment is allowed to handle the product. Contaminated clothes can be reused only after thorough cleanup. Wash hands and face by drinking water and soap and flush mouth with drinking water before eating and at the end of working shift and use protective cream on the skin.

8.2.2 Individual protection measures, such as personal protective equipment

- Eye/face protection:** wear protective goggles and protective shield resistant to organic solvents
- Skin protection:** protective clothing, closed shoes (in antistatic version)
- Hand protection:** wear protective gloves (resistant to organic solvents)
- Respiratory protection:** if is possible inhalation, use respirator with a filter against organic aerosols

8.2.3 Environmental exposure controls

Observe instructions for handling and storage, particularly ensure provisions preventing spill of concentrated mixture into watercourses, soil and sewerage (for further information see Handling Conditions according to Act No 254/2001 of Czech Act Coll., on Waters).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance (°C):	liquid
Colour:	according to colour modification of the product
Odour:	organic solvents
Odour threshold	not estimated
pH (at 20°C):	not estimated
Melting point:	not estimated
Freezing point:	not estimated
Boiling point (°C):	187-216
Flash point (°C):	62
Evaporation rate:	not estimated
Flammability (solid, gas):	flammable liquid - III class
Upper/lower flammability or explosive limits:	upper limit (% by volume):7 lower limit (% by volume): 0.6
Vapour pressure (°C):	not estimated
Vapour density:	not estimated
Relative density (at 20°C):	0.83-0.88
Solubility:	not soluble
Partition coefficient: n-octanol/water:	not estimated
Auto-ignition temperature (°C):	>240
Decomposition temperature:	not estimated
Viscosity:	> 20.5 (at 40°C, mm ² /s)
Explosive properties:	not estimated
Oxidising properties:	does not show oxidising properties

9.2 Other information:

VOC – Content of volatile organic compounds	0.65- 0.7 kg/kg of paint
TOC – Content of total organic carbon	0.55-0.60 kg/kg of paint

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not known hazardous reactions when used under normal conditions.

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 5 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

10.2 Chemical stability

The product is volatile and evaporates under normal conditions of temperature and pressure. Stable in normal conditions of usage and storage (keep temperature range for storage).

10.3 Possibility of hazardous reactions

The mixture of vapour volatile components with air forms explosive mixture.

10.4 Conditions to avoid

Intense heating, concentrations in the explosion limits.

10.5 Incompatible materials

Strong acids, strong oxidizing agents, various plastics, rubber.

10.6 Hazardous decomposition products

Toxic gas and smoke.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

a) acute toxicity	Not established for this mixture.
b) skin corrosion/irritation:	Criteria for classification are not met based on available data.
c) serious eye damage/irritation:	Criteria for classification are not met based on available data.
d) respiratory or skin sensitisation:	Criteria for classification are not met based on available data. Contains cobalt bis (2-ethylhexanoate). May produce an allergic reaction.
e) germ cell mutagenicity:	Criteria for classification are not met based on available data.
f) carcinogenicity:	Criteria for classification are not met based on available data.
g) reproductive toxicity:	Criteria for classification are not met based on available data.
h) STOT-single exposure:	May cause drowsiness or dizziness.
i) STOT-repeated exposure:	Repeated exposure may cause skin dryness or cracking.
j) aspiration hazard:	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not established for this mixture.

12.2 Persistence and degradability

Not established for this mixture.

12.3 Bioaccumulative potential

Not established for this mixture.

12.4 Mobility in soil

The product is a low viscosity liquid, risk of spread to large distance in case of leak into the environment and groundwater.

12.5 Results of PBT and vPvB assessment

PBT or vPvB tests for mixture are not been preformed.

12.6 Other adverse effects

Not estimated.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

a) Recommended Methods of Substance and Contaminated Packaging Disposal:

It is dangerous waste. Personal protective equipment should be used and provisions to be applied when handling and collecting wastes regarding protection of waste spill into environment. Waste hand over to specialized competent company, if need be hand over within the framework of dangerous waste collection in your community. Contaminated packaging hand over to specialised company as a dangerous waste.

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 6 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

b) **Physical/chemical properties that may affect waste treatment options**

Avoid contact with strong acids, strong oxidizing agents, various plastics, rubber.

c) **Sewage disposal shall be discouraged**

Waste should not be disposed of by release to sewers.

d) **Special precautions for any recommended waste treatment**

Suggestion of waste classification:

08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

Suggestion of waste container classification:

Containers with residues of the mixture: 15 01 10* packaging containing residues of or contaminated by dangerous substances.

Waste Legal Regulations:

Directive 2008/98/EC on waste and repealing certain Directives. If this mixture and its packaging become waste, the last user has to assign relevant waste code – European Waste Code (EWC code) according to Commission Decision (2000/532/EC).

14. TRANSPORT INFORMATION

Not subject to ADR/RID, DGR IATA, IMDG Code.

15. REGULATORY INFORMATION

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

Legislation regulating individual issues of the environmental protection and occupational hygiene conditions.

Regulation No. 1907/2006 (REACH)

Regulation No 1272/2008/ES (CLP)

Government Regulation 68/2010 Coll. stipulating conditions of H&S of employees at work, as amended by related regulations.

Directive 1999/45/EC of the classification, packaging and labelling of dangerous preparations.

Council Directive No. 98/24/EC on safety and health protection of employees from risks connected with chemical agents used at work.

Act No. 258/2000 Coll. on public health protection as amended by related regulations.

15.2 Chemical safety assessment:

A chemical Safety assessment was not carried out for the mixture.

16. OTHER INFORMATION

a) **Changes during Revision of the MSDS:**

First edition.

b) **A key or legend to abbreviations and acronyms used:**

Asp. Tox. 1	Aspiration hazard	Flam. Liq.3	Flammable liquid cat. 3
STOT SE 3	Specific target organ toxicity – single exposure cat. 3	Aquatic Chronic 1; 2	Hazardous to the aquatic environment cat. 1; 2
Repr. 2	Reproductive toxicity cat.2	Skin Sens. 1	Skin Sensitization cat. 1
Eye Irrit. 2	Eye Irritation cat.2	Aquatic Acute 1	Hazardous to the aquatic environment
PBT	Persistent, Bioaccumulative and Toxic	vPvB	Very Persistent and Very Bioaccumulative
PNEC	Predicted no-effect concentration	DNEL	Derived no-effect level

c) **Key literature references and sources for data**

Information contained herein is based on our best knowledge and current legislation, according 1907/2006/EC a 1272/2008/EC. Further, this Material Safety Data Sheet was elaborated on grounds of information provided by suppliers of particular components of the mixture. The MSDS contains information needed for security of safety and occupational health protection and the environmental protection. The mentioned information refers to present state of knowledge and experience and is in accordance with legislation in force. It cannot be considered warrantee of suitability or usability of the product for particular application.

MATERIAL SAFETY DATA SHEET

(According to Regulation (EC) No 1907/2006 of the European Parliament as amended by Regulation (EC) No 453/2010)

Date of issue: 18th March 2014

Page: 7 / 7

Date of revision:

Previous date:

Product name:

BOCHEMIT ESTETIK

d) The methods of evaluating information

The mixture was classified according to conventional method described in directive 1999/45/EC and Regulation 1272/2008/EC.

e) List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements:

R66	Repeated exposure may cause skin dryness or cracking.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.
R10	Flammable.
R62	Possible risk of impaired fertility.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H304	May be fatal if swallowed and enters airways.
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

f) Instructions for Training:

Personnel handling the preparation must be instructed about manipulation risks and on requirements for health and environmental protection (relevant provisions of the Labor Code as amended) and further, they must be demonstrably familiarized with dangerous properties, occupational health and environmental protection principles and first aid measures (Act No. 258/2000 Coll. on public health protection as amended).

g) Recommended Use Limitations:

The mixture cannot be used for any other purpose than determined (see Clause 1.2). As specific conditions of use of the substance are beyond control of the supplier, the user is the only responsible to adapt the information and warnings contained herein to local legislation and regulations. The safety information describes the product from perspective of its safety and it cannot be deemed technical specifications of the product.