

Product name: egger flex/AB (40 shore)**REF:** 20810, 20704, 20703, 20818,
20709, 20708, 20719, 20702,
20716, 20707, 20700, 20718

Date of print: 22 January 2010

Date of last alteration: 27 October 2009

1. Identification of the substance or preparation and of the company**1.1 Commercial Product Name:** egger flex/AB (40 shore) - several shades**1.2 Use of the substance/the preparation**

Professional.

Silicone material for use in audiology.

1.3 Company/undertaking identification

Manufacturer/distributor: egger Otoplastik+Labortechnik GmbH
Street/POB-No.: Aybühlweg 59
State/postal code/city: D-87439 Kempten

Telephone: +49 831 58113-60
Telefax: +49 831 58113-14
Internet: www.egger-labor.com
E-mail: sales@egger-labor.de
Emergency number : Munich, Germany, toxicological dep. of the II. Med. Hospital)
+49 89 19240

2. Hazard identification**2.1 Classification**

The product is not a hazardous preparation according to the guideline 1999/45/EC.

2.2 Critical hazards to man and environment

No special hazards known.

3. Composition/information on ingredients**3.1 Chemical characterization (preparation)**

Description:

Contains polydimethylsiloxane with functional groups + fillers and pigment;
catalyst additionally: platinum-complex compound.**3.2 Hazardous ingredients:**

Name: ---
CAS-No.: ---
EG-No.: ---
Index-No.: ---
Concentration: ---
Identification letter: ---
EC/R: ---

3.3 Further information

Product name: egger flex/AB (40 shore)**REF:** 20810, 20704, 20703, 20818,
20709, 20708, 20719, 20702,
20716, 20707, 20700, 20718

Date of print: 22 January 2010

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4. First aid measures

4.1 General information

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

4.2 After inhalation

Provide for fresh air.

4.3 After contact with the skin

Remove the product mechanically by means of a cloth or paper. Wash with plenty of water and soap. In case of visible skin reaction or complaints, seek medical advice (if possible, show the label or this MSDS).

4.4 After contact with the eyes

Rinse the open eyes immediately with plenty of water for at least 15 minutes, seek medical advice immediately.

4.5 After swallowing

Immediately rinse mouth well with water and drink plenty of water in small portions. Do not induce vomiting. If you feel unwell, seek medical advice.

4.6 Autoprotection of the first assistant

Take care of a sufficient autoprotection (hand protection, foil mask "Life key").

4.7 Information for the specialist

5. Fire fighting measures

5.1 Suitable extinguishing media

Water mist, foam, carbon dioxide, dry powder.

5.2 Extinguishing media which must not be used for safety reasons

Water jet.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Development of hydrogen may cause explosive hydrogen-air-mixtures.

5.4 Special protective equipment for fire fighting

Use respiratory protection independent of recirculated air. Accomplish decontamination by means of explosion-proofed equipment.

5.5 Further information

6. Accidental release measures

6.1 Personal precautions

If material is accidentally spilled, refer to the possible danger of skidding. Do not pass through the spilled material.

Product name: egger flex/AB (40 shore)**REF:** 20810, 20704, 20703, 20818,
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Date of print: 22 January 2010

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6.2 Environmental precautions

Keep away from sewage treatment plants, in-shore waters and earth. Observe local byelaws.

6.3 Methods for cleaning up

Remove mechanically or absorb with liquid binding material (sand, diatomaceous earth, sawdust) and dispose of according to regulations (see section 13).

6.4 Further information

7. Handling and Storage**7.1 Precautions for safe handling**

The usual precautions in handling chemicals are to be observed. While using do not eat, drink or smoke.

7.2 Precautions against fire and explosion

During filling and refilling, the material may become statically charged. Take measures against static discharges. Keep away from sources of ignition - No smoking.

7.3 Further information

7.4 Conditions for storage rooms and vessels

Store in a cool, dry and well-ventilated place. Keep containers always tightly closed. Provide for sufficient ventilation.

Keep at temperature not exceeding 25 °C / 77 °F. Keep away from humidity.

7.5 Advice for storage of incompatible materials

Do not store with acids, lyes, alcohols, metallic powders and metallic oxides (release of hydrogen is favored).

7.7 Definite use

Silicone material for use in audiology by trained specialist staff.

8. Exposure controls and personal protection**Limit values for the exposition at the place of work and/or biological limit values:****8.1 Occupational exposure limits (OELs) in Germany**

No associated substances with specific working place control parameters.

8.2 Indicative occupational exposure limit values of the European Union

No associated substances with specific working place control parameters.

8.3 Limitation and control of the exposition

8.4 Personal protection equipment**8.4.1 Respiratory protection**

Not required.

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8.4.2 Hand protection

Protective gloves are recommended, e.g. such as gloves of nitrile rubber, but never use latex gloves! (impairment of the setting reaction).

8.4.3 Eye protection

To avoid mechanical injuring of the eyes, wear protective glasses.

8.4.4 Body protection

Wear work clothes.

8.5 General protection and hygiene measures

The usual precautions in handling chemicals are to be observed. While using do not eat, drink or smoke.

8.6 Limitation and control of the environmental exposition

Prevent the material from getting into sewage treatment plants, in-shore waters and earth.

9. Physical and chemical properties

9.1 Appearance

Form: paste
Color: base: different shades, according to the product name •
 catalyst: transparent
Odor: faintly typical

9.2 Important safety information

Method (67/ 548/EEC)

pH-value: n.a.
 Change of state: ---
 Boiling point: ---
 Decomposition temperature: ---
 Flash point: = > 100 °C/212 °F DIN 51755
 Ignition temperature: = > 400 °C/752 °F DIN 51794
 Explosion limits: no data available
 Vapor pressure: = < 10 hPa at 20 °C/68 °F
 Viscosity: = approx. 1 Mio. mPa.s at 23 °C/73 °F Brookfield
 Density: = approx. 1.1 g/cm³ at 20 °C/68 °F DIN 51757
 Oxidizing properties: = Increased temperatures advance the release of hydrogen.

9.3 Further information

Thermal decomposition: = > 180 °C/356 °F
 Solubility in water: = virtually insoluble
 Distribution coefficient
 octanol/water: n.a.
 Solvent separation test: ---
 Solvent content: ---

10. Stability and reactivity

10.1 Conditions to avoid

Temperatures > 150 °C / 302 °F (see section 10.3).

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20709, 20708, 20719, 20702,
20716, 20707, 20700, 20718

Date of print: 22 January 2010

Date of last alteration: 27 October 2009

10.2 Materials to avoid

Reacts with acids, lyes, alcohols, metallic powders and metallic oxides while releasing hydrogen.

10.3 Hazardous decomposition products

In case of thermic decomposition hydrogen is released. At temperatures of approx. 150 °C / 302 °F a small amount of formaldehyde can be released by oxidative degradation.

11. Toxicological information

11.1 General information

According to present experience, the material shows no health risk if handled appropriately, observing the usual hygiene at place of work. According to our present knowledge, the material is neither mutagenic nor carcinogenic nor teratogenic.

11.2 Toxicological tests

Acute toxicity

Acute oral toxicity:	For the product itself no toxicological data are available. In products with a comparable composition, a LD50 (orally, species rat) of more than 5 000 mg/kg has been found.
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11.3 Practical experience

11.4 Information on the ingredients

12. Ecological information

12.1 Ecological toxicity

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition): According to present experience, no adverse effects in sewage treatment plants are to be expected.

12.2 Mobility

The product forms a thin oily layer on the water surface. It is adsorbed by suspended particles. Separation by sedimentation.

12.3.Persistence and degradability

The product is biologically not degradable. To a certain degree, polydimethylsiloxanes are degradable by abiotic processes.

12.4 Potential of biological accumulation

A biological accumulation is improbable.

12.5 Test result of PBT characteristics

12.6 Other harmful effects

Unknown.

12.7 Ecological information

If handled and applied appropriately, no environmental problems are to be expected.

Product name: egger flex/AB (40 shore)

REF: 20810, 20704, 20703, 20818,
20709, 20708, 20719, 20702,
20716, 20707, 20700, 20718

Date of print: 22 January 2010

Date of last alteration: 27 October 2009

13. Disposal considerations

13.1 Material

13.2 Recommendation

Dispose of according to regulations by incineration in a special waste incinerator. Observe local byelaws.

13.3 European Waste Catalog Ref.No.

07 02 17

13.4 Contaminated packaging

Recommendation: Fully empty containers (no water drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/national byelaws.

13.5 Non-contaminated packaging

14. Transport information

14.1 Land transportation (ADR/RID/GGVS/GGVE)

ADR/RID-GGVS/E-class Non-hazardous material **Cl.-code:** --- **Label:** ---
Substance No.: ---**Nomenclature:** ---**Transportation emergency card number:** ---**Warning board –Hazard No.:** ---**Further information:** ---**Limited quantities:** ---**LQ Land:** ---

14.2 Inland navigation (ADN/ADNR)

ADN/ADNR-class Non-hazardous material **Number/letter:** --- **Category:** ---
Further information: ---

14.3 Transportation by sea (IMDG/GGV Sea)

IMDG/GGV Sea-class: Non-hazardous material **Label:** --- **UN-No.:** --- **PG:** ---
EmS-No.: ---**Marine pollutant:** ---**Proper shipping name:** ---**Technical name:** ---**LTD. QTY:** ---**LQ Sea:** ---

14.4 Air transportation (ICAO-TI/IATA-DGR)

ICAO/IATA-class: Non-hazardous material **UN/ID-No.:** --- **PG:** ---
Proper shipping name: ---**Technical name:** ---**Further information:** ---**Air mail transportation:** permitted

Product name: egger flex/AB (40 shore)**REF:** 20810, 20704, 20703, 20818,
20709, 20708, 20719, 20702,
20716, 20707, 20700, 20718

Date of print: 22 January 2010

Date of last alteration: 27 October 2009

15. Regulatory information

15.1 EC regulations

15.2 Identification according to EC directives:

According to the Regulations for Hazardous Goods and the corresponding EC-Guidelines the product is not to be labeled.

Further information: ---

15.3 National regulations (Germany)

15.3.1 Occupational restrictions:

15.3.2 Classification according to VbF

15.3.3 Classification of possible adverse effects in the aquatic environment (WGK)

Class 1 (slight adverse effects in the aquatic environment).

16. Other information

16.1 Wording of the R-phrases under section 3:

R-phrases:

Identification letters:

16.2 Explanation of the abbreviations:

n. a. = not applicable n. s. = not subject to
VbF = **V**erordnung über **b**rennbare **F**lüssigkeiten (= Guidelines on flammable liquids)
WGK = **W**assergefährungsklasse (= Water Hazard Classification)

16.3 Literature register

Sicherheitstechnische Kenndaten chemischer Stoffe, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Handbuch der Abfallentsorgung, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Allgemeine Verwaltungsvorschrift zur Änderung der Verwaltungsvorschrift wassergefährdender Stoffe - VwVwS vom 27. Juli 2005

Safety data sheets and further information from manufacturers / distributors

The given information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.

Product name: egger flex S-Pro**REF:** 36985, 36986, 36987,
36990, 36991, 36992

Date of print: 22 January 2010

Date of last alteration: 21 October 2009

1. Identification of the substance or preparation and of the company

1.1 Commercial Product Name: egger flex S-Pro**1.2 Use of the substance/the preparation**

Professional.

Silicone material for use in audiology.

1.3 Company/undertaking identification

Manufacturer/distributor: egger Otoplastik+Labortechnik GmbH
Street/POB-No.: Aybühlweg 59
State/postal code/city: D-87439 Kempten

Telephone: +49 831 58113-60
Telefax: +49 831 58113-14
Internet: www.egger-labor.com
E-mail: sales@egger-labor.de
Emergency number : Munich, Germany, toxicological dep. of the II. Med. Hospital)
+49 89 19240

2. Hazard identification

2.1 Classification

The product is not a hazardous preparation according to the guideline 1999/45/EC.

2.2 Critical hazards to man and environment

No special hazards known.

3. Composition/information on ingredients

3.1 Chemical characterization (preparation)

Description:

Contains polydimethylsiloxane with functional groups ± fillers ± pigment;
catalyst additionally: platinum-complex compound.**3.2 Hazardous ingredients:**

Name: ---
CAS-No.: ---
EG-No.: ---
Index-No.: ---
Concentration: ---
Identification letter: ---
EC/R: ---

3.3 Further information

4. First aid measures

4.1 General information

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

Product name: egger flex S-Pro

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36990, 36991, 36992

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4.2 After inhalation

Provide for fresh air.

4.3 After contact with the skin

Remove the product mechanically by means of a cloth or paper. Wash with plenty of water and soap. In case of visible skin reaction or complaints, seek medical advice (if possible, show the label or this MSDS).

4.4 After contact with the eyes

Rinse the open eyes immediately with plenty of water for at least 15 minutes, seek medical advice immediately.

4.5 After swallowing

Immediately rinse mouth well with water and drink plenty of water in small portions. Do not induce vomiting. If you feel unwell, seek medical advice.

4.6 Autoprotection of the first assistant

Take care of a sufficient autoprotection (hand protection, foil mask "Life key").

4.7 Information for the specialist

5. Fire fighting measures

5.1 Suitable extinguishing media

Water mist, foam, carbon dioxide, dry powder.

5.2 Extinguishing media which must not be used for safety reasons

Water jet.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Development of hydrogen may cause explosive hydrogen-air-mixtures.

5.4 Special protective equipment for fire fighting

Use respiratory protection independent of recirculated air. Accomplish decontamination by means of explosion-proofed equipment.

5.5 Further information

6. Accidental release measures

6.1 Personal precautions

If material is accidentally spilled, refer to the possible danger of skidding. Do not pass through the spilled material.

6.2 Environmental precautions

Keep away from sewage treatment plants, in-shore waters and earth. Observe local byelaws.

6.3 Methods for cleaning up

Remove mechanically or absorb with liquid binding material (sand, diatomaceous earth, sawdust) and dispose of according to regulations (see section 13).

Product name: egger flex S-Pro**REF:** 36985, 36986, 36987,
36990, 36991, 36992

Date of print: 22 January 2010

Date of last alteration: 21 October 2009

6.4 Further information

7. Handling and Storage**7.1 Precautions for safe handling**

The usual precautions in handling chemicals are to be observed. When using to not eat, drink or smoke.

7.2 Precautions against fire and explosion

During filling and refilling, the material may become statically charged. Take measures against static discharges. Keep away from sources of ignition - No smoking.

7.3 Further information

7.4 Conditions for storage rooms and vessels

Store in a cool, dry and well-ventilated place. Keep containers always tightly closed. Provide for sufficient ventilation.

Keep at temperature not exceeding 25 °C / 77 °F. Keep away from humidity.

7.5 Advice for storage of incompatible materials

Do not store with acids, lyes, alcohols, metallic powders and metallic oxides (release of hydrogen is favored).

7.6 Definite use

Silicone material for use in audiology by trained specialist staff.

8. Exposure controls and personal protection

Limit values for the exposition at the place of work and/or biological limit values:

8.1 Occupational exposure limits (OELs) in Germany

No associated substances with specific working place control parameters.

8.2 Indicative occupational exposure limit values of the European Union

No associated substances with specific working place control parameters.

8.3 Limitation and control of the exposition

8.4 Personal protection equipment**8.4.1 Respiratory protection**

Not required.

8.4.2 Hand protection

Protective gloves are recommended, e.g. such as gloves of nitrile rubber, but never use latex gloves! (impairment of the setting reaction).

8.4.3 Eye protection

To avoid mechanical injuring of the eyes, wear protective glasses.

8.4.4 Body protection

Product name: egger flex S-Pro

REF: 36985, 36986, 36987,
36990, 36991, 36992

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8.5 General protection and hygiene measures

The usual precautions in handling chemicals are to be observed. When using to not eat, drink or smoke.

8.6 Limitation and control of the environmental exposition

Prevent the material from getting into in-shore waters and earth.

9. Physical and chemical properties

9.1 Appearance

Form: paste
Color: base: several shades, according to the product name • catalyst: white
Odor: faintly typical

9.2 Important safety information

Method (67/ 548/EEC)

pH-value:	n.a.	
Change of state:	---	
Boiling point:	---	
Decomposition temperature:	---	
Flash point:	= > 100 °C/212 °F	DIN 51755
Ignition temperature:	= > 400 °C/752 °F	DIN 51794
Explosion limits:	no data available	
Vapor pressure:	= < 10 hPa at 20 °C/68 °F	
Viscosity:	= approx. 750 000 mPa.s at 23 °C/73 °F	Brookfield
Density:	= approx. 0.97 g/cm ³ at 20 °C/68 °F	DIN 51757
Oxidizing properties:	= Increased temperatures advance the release of hydrogen.	

9.3 Further information

Thermal decomposition: = > 180 °C/356 °F
 Solubility in water: = virtually insoluble
 Distribution coefficient octanol/water: n.a.
 Solvent separation test: ---
 Solvent content: ---

10. Stability and reactivity

10.1 Conditions to avoid

Temperatures > 150 °C/302 °F (see section 10.3).

10.2 Materials to avoid

Reacts with acids, lyes, alcohols, metallic powders and metallic oxides while releasing hydrogen.

10.3 Hazardous decomposition products

In case of thermic decomposition hydrogen is released. At temperatures of approx. 150 °C/302 °F a small amount of formaldehyde can be released by oxidative degradation.

Product name: egger flex S-Pro**REF:** 36985, 36986, 36987,
36990, 36991, 36992

Date of print: 22 January 2010

Date of last alteration: 21 October 2009

11. Toxicological information

11.1 General information

According to present experience, the material shows no health risk if handled appropriately, observing the usual hygiene at place of work. According to our present knowledge, the material is neither mutagenic nor carcinogenic nor teratogenic.

11.2 Toxicological tests

Acute toxicity

Acute oral toxicity:	For the product itself no toxicological data are available. In products with a comparable composition, a LD50 (orally, species rat) of more than 5 000 mg/kg has been found.
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11.3 Practical experience

11.4 Information on the ingredients

12. Ecological information

12.1 Ecological toxicity

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition): According to present experience, no adverse effects in sewage treatment plants are to be expected.

12.2 Mobility

The product forms a thin oily layer on the water surface. It is adsorbed by suspended particles. Separation by sedimentation.

12.3. Persistence and degradability

The product is biologically not degradable. In a certain degree, polydimethylsiloxanes are degradable by abiotic processes.

12.4 Potential of biological accumulation

A biological accumulation is improbable.

12.5 Test result of PBT characteristics

12.6 Other harmful effects

Unknown.

12.7 Ecological information

If handled and applied appropriately, no environmental problems are to be expected.

13. Disposal considerations

13.1 Material

13.2 Recommendation

Dispose of according to regulations by incineration in a special waste incinerator. Observe the local byelaws.

13.3 European Waste Catalog Ref.No.

07 02 17

Product name: egger flex S-Pro

REF: 36985, 36986, 36987,
36990, 36991, 36992

Date of print: 22 January 2010

Date of last alteration: 21 October 2009

13.4 Contaminated packaging

Recommendation: Fully empty containers (no water drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/national byelaws.

13.5 Non-contaminated packaging

14. Transport information

14.1 Land transportation (ADR/RID/GGVS/GGVE)

ADR/RID-GGVS/E-class Non-hazardous material **Cl.-code:** --- **Label:** ---
Substance No.: ---**Nomenclature:** ---**Transportation emergency card number:** ---**Warning board –Hazard No.:** ---**Further information:** ---**Limited quantities:** ---**LQ Land:** ---

14.2 Inland navigation (ADN/ADNR)

ADN/ADNR-class Non-hazardous material **Number/letter:** --- **Category:** ---
Further information: ---

14.3 Transportation by sea (IMDG/GGV Sea)

IMDG/GGV Sea-class: Non-hazardous material **Label:** --- **UN-No.:** --- **PG:** --

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EmS: ---**Marine pollutant:** ---**Proper shipping name:** ---**Technical name:** ---**LTD. QTY:** ---**LQ Sea:** ---

14.4 Air transportation (ICAO-TI/IATA-DGR)

ICAO/IATA-class: Non-hazardous material **UN/ID-No.:** --- **PG:** ---
Proper shipping name: ---**Technical name:** ---**Further information:** ---**Air mail transportation:** permitted

15. Regulatory information

15.1 EC regulations

15.2 Identification according to EC directives:

According to the Regulations for Hazardous Goods and the corresponding EC-Guidelines the product is not to be labeled.

Further information: ---

Product name: egger flex S-Pro**REF:** 36985, 36986, 36987,
36990, 36991, 36992

Date of print: 22 January 2010

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15.3 National regulations (Germany)**15.3.1 Occupational restrictions:**

15.3.2 Classification according to VbF

15.3.3 Classification of possible adverse effects in the aquatic environment (WGK)

Class 1 (slight adverse effects in the aquatic environment).

16. Other information**16.1 Wording of the R-phrases under section 3:****R-phrases:**

Identification letters:

16.2 Explanation of the abbreviations:

n. a. = not applicable n. s. = not subject to
VbF = **V**erordnung über **b**rennbare **F**lüssigkeiten (= Guidelines on flammable liquids)
WGK = **W**assergefährungsk**k**lasse (= Water Hazard Classification)

16.3 Literature register

Sicherheitstechnische Kenndaten chemischer Stoffe, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Handbuch der Abfallentsorgung, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Allgemeine Verwaltungsvorschrift zur Änderung der Verwaltungsvorschrift wassergefährdender Stoffe - VwVwS vom 27. Juli 2005

Safety data sheets and further information from manufacturers / distributors

The given information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.

Product name: Lacquer H/II**REF:** 39400, 39402, 39403

Date of print: 25 January 2010

Date of last alteration: 02 July 2009

1. Identification of the substance or preparation and of the company

1.1 Commercial Product Name: Lacquer H/II

1.2 Use of the substance/the preparation

Refer to description of material or preparation.

1.3 Company/undertaking identification

Manufacturer/distributor: egger Otoplastik+Labortechnik GmbH
Street/POB-No.: Aybühlweg 59
State/postal code/city: D-87439 Kempten

Telephone: +49 831 58113-60
Telefax: +49 831 58113-14
Internet: www.egger-labor.com
E-mail: sales@egger-labor.de
Emergency number : Munich, Germany, toxicological dep. of the II. Med. Hospital)
+49 89 19240

2. Hazard identification

2.1 Classification

See point 11 and 15.

Product is highly flammable.

Irritation of the skin. Harmful: may cause lung damage if swallowed. Danger of aspiration.

Vapors may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.

2.2 Critical hazards to man and environment

See point 12.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

3.1 Chemical characterization (preparation)

Description:

3.2 Hazardous ingredients:

Name:	Heptane	n-butyl acetate
CAS-No.:	---	---
EG-No.:	205-563-8	204-658-1
Index-No.:	---	---
Concentration:	80 – 100%	1 -< 15%
Identification letter:	F/Xn/Xi/N	---
EC/R:	11-38-50-53-65-67	10-66-67

3.3 Further information

For complete wording of the R-phrases, refer to section 16.1.

Product name: Lacquer H/II**REF:** 39400, 39402, 39403

Date of print: 25 January 2010

Date of last alteration: 02 July 2009

4. First aid measures

4.1 General information

4.2 After inhalation

Supply person with fresh air. Call doctor immediately. Remove person from danger area. Keep Data Sheet available.

4.3 After contact with the skin

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 After contact with the eyes

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.5 After swallowing

Give water to drink. Do not induce vomiting. Consult doctor immediately. Danger of aspiration.

4.6 Autoprotection of the first assistant

n.c.

4.7 Information for the specialist

5. Fire fighting measures

5.1 Suitable extinguishing media

Water jet spray. Foam. Dry extinguisher. Cool container at risk with water.

5.2 Extinguishing media which must not be used for safety reasons

n.c.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop: explosive vapor/air mixture, gases hazardous to health, hydrogen gas.

5.4 Special protective equipment for fire fighting

Protective respirator with independent air supply. Full protection, if necessary.

5.5 Further information

Dispose of contaminated extinction water according to official regulations. In case of fire and/or explosion do not breathe fumes.

6. Accidental release measures

6.1 Personal precautions

Avoid inhalation, and contact with eyes or skin. Ensure sufficient supply of air. Remove possible causes of ignition - do not smoke. If applicable, caution - risk of slipping.

6.2 Environmental precautions

Prevent from entering drainage system. Danger of explosion. If leakage occurs, dam up. Prevent surface and groundwater infiltration, as well as ground penetration.

Product name: Lacquer H/II**REF:** 39400, 39402, 39403

Date of print: 25 January 2010

Date of last alteration: 02 July 2009

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.

6.4 Further information

7. Handling and Storage**7.1 Precautions for safe handling**

See point 6.1

Take precautions against electrostatic charges. Observe directions on label and instructions for use. Keep away from sources of ignition - Do not smoke. Only use working methods according to operating instructions. Ensure good ventilation.

7.2 Precautions against fire and explosion

7.3 Further information

7.4 Conditions for storage rooms and vessels

Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").

Not to be stored in gangways or stair wells. Observe regulations for keeping separated. Store product closed and only in original packing. Solvent resistant floor. Unsuitable container: various plastics, gum.

See point 10

Store cool. Store in a well ventilated place. To be stored at temperatures of 8 °C (46.4 °F) – 12 °C (53.6 °F).

7.5 Advice for storage of incompatible materials

Do not store with flammable or self-igniting materials.

7.6 Definite use

8. Exposure controls and personal protection**Limit values for the exposition at the place of work and/or biological limit values:****8.1 Occupational exposure limits (OELs) in Germany**

8.2 Indicative occupational exposure limit values of the European UnionHeptaneWEL-TWA: 500 ppm (2085 mg/m³)

WEL-STEL: ---

Content %:80 - 100: ---

BMGV: ---

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8.3 Further information

WEL:

Heptane

WEL-TWA: 500 ppm

WEL-STEL: ---

Content %: 80 - 100: ---

BMGV: ---

n-butyl acetateWEL-TWA: 150 ppm (724 mg/m³)WEL-STEL: 200 ppm (966 mg/m³)

Content %: 1 - <15: ---

BMGV: ---

8.4 Limitation and control of the exposition

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.5 Personal protection equipment

8.5.1 Respiratory protection

If OES or MEL is exceeded.

Gas mask filter A (EN 141)

8.5.2 Hand protection

Solvent resistant protective gloves (EN 374). Protective hand cream recommended.

If applicable, protective nitrile gloves (EN 374)

Permeation time (penetration time) in minutes:

> 480 *

* Heptane

Additional information on hand protection - No tests have been performed. Selection made for preparations according to the best available knowledge and information on the ingredients. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.5.3 Eye protection

Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

8.5.4 Body protection

Solvent resistant protection clothing (EN368/9)

According to operation: apron, boots (EN 347),

8.7 General protection and hygiene measures

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.

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8.6 Limitation and control of the environmental exposition

n.av.

9. Physical and chemical properties**9.1 Appearance**

Form: liquid
Color: transparent
Odor: characteristic

9.2 Important safety information**Method**

pH-value (undiluted): n.av.
Change of state: ---
Boiling point: 98 °C (208.4 °F) *
Decomposition temperature: ---
Flash point: - 4 °C (39.2 °F) *
Ignition temperature: 215 °C (419 °F) *
Explosion limits: lower: 1 Vol% * • upper: 7 Vol% *
Vapor pressure: 48 mbar / 20 °C (68 °F) *
Viscosity: Not detected
Density: ~0,8-1,15 g/ml
Melting point/melting range: - 90 °C (-194 °F) *
Vapor density (air = 1): n.c.

* Heptane

9.3 Further information

Thermal decomposition: ---
Solubility in water: Insoluble
Distribution coefficient
octanol/water: ---
Solvent separation test: ---
Solvent content: ---

10. Stability and reactivity**10.1 Conditions to avoid**

See point 7

Heating, open flame, ignition sources. Electrostatic charge.

10.2 Materials to avoid

See point 7

Gum, various plastics. Avoid contact with oxidizing agents.

10.3 Hazardous decomposition products

See point 5.3

Hydrogen gas.

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11. Toxicological information

11.1 General information

Classification according to calculation procedure.

The following may occur:

Drying of the skin - product removes fat. Irritation of the respiratory tract, headaches, dizziness, unconsciousness.

Other dangerous properties cannot be ruled out.

11.2 Toxicological tests

Acute toxicity and immediate effects:

Ingestion, LD50 rat oral (mg/kg): n.d.a., See point 15.

Inhalation, LC50 rat inhal.(mg/l/4h): 03 g/m³/4h*

* Heptane

Skin contact, LD50 rat dermal (mg/kg): k.D.v., Irritant

Eye contact: n.av.

Delayed and chronic effects:

Sensitization: n.c.

Carcinogenicity: n.c.

Mutagenicity: n.c.

Reproductive toxicity: n.c.

Narcosis: Yes

11.3 Practical experience

11.4 Information on the ingredients

12. Ecological information

12.1 Ecological toxicity

Behavior in sewage plants: n.av.

Aquatic toxicity: ---Toxicity to fish: LC50/24h Carassius auratus 4 mg/l *Toxicity to daphnia: EC50/48h Daphnia magna 1,5 mg/l *

* Heptane

12.2 Mobility

n.av.

12.3.Persistence and degradability

BSB5: 1.92 g/g *, CSB 0.06 g/g *

* Heptan

12.4 Potential of biological accumulation

Log POW 4.66 *

* Heptan

12.5 Test result of PBT characteristics

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12.6 Other harmful effects

12.7 Ecological information

13. Disposal considerations
13.1 Material

13.2 Recommendation

Pay attention to local and national official regulations E.g. suitable incineration plant.

13.3 European Waste Catalog Ref.No.

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 02 04 other organic solvents, washing liquids and mother liquors

07 07 04 other organic solvents, washing liquids and mother liquors

13.4 Contaminated packaging

See point 13.1

Pay attention to local and national official regulations. Do not perforate, cut up or weld uncleaned container.

13.5 Non-contaminated packaging

14. Transport information
14.1 Land transportation (ADR/RID/GGVS/GGVE)**ADR/RID-GGVS/E-class** 3**Cl.-code:** F1**Label:** ---**Substance No.:** ---**UN-Nr.:** 1206**PG:** II**Nomenclature:** ---**LQ Land:** 4**14.2 Inland navigation (ADN/ADNR)****ADN/ADNR-class** ---**Number/letter:** ---**Category:** ---**14.3 Transportation by sea (IMDG/GGV Sea)****IMDG/GGV Sea-class:** 3**Label:** ---**UN-No.:** 1206**PG:** II**EmS:** F-E, S-D**Marine pollutant:** n.a.**Proper shipping name:** HEPTANES MIXTURE**LQ Sea:** ---**14.4 Air transportation (ICAO-TI/IATA-DGR)****ICAO/IATA-class:** 3**UN/ID-No.:** 1206**PG:** II**Proper shipping name:** Heptanes mixture**Air mail transportation:** ---

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14.5 Additional information

Danger code and packing code on request.

15. Regulatory information

15.1 EC regulations

15.2 Identification according to EC directives:

Hazard indication: Highly flammable, Harmful, Dangerous for the environment.

Identification letters: F/Xn/N

R-phrases:

R 11	Highly flammable.
R 38	Irritating to skin.
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.
R 67	Vapors may cause drowsiness and dizziness.

S-phrases:

S(2)	Keep out of the reach of children..
S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S29	Do not empty into drains.
S33	Take precautionary measures against static discharges.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Further information:

Additions:

Heptane

15.3 National regulations (Germany)

15.3.1 Occupational restrictions:

Observe youth employment law (German regulation).

Observe law on protection of expectant mothers (German regulation).

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

15.3.2 Classification according to VbF

15.3.3 Classification of possible adverse effects in the aquatic environment (WGK)

Class 2

Self classification: Yes (VwVwS)

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16. Other information

16.1 Wording of the R-phrases under section 3:

R-phrases:

R11	Highly flammable.
R38	Irritating to skin.
R50	Very toxic to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R65	Also harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.
R10	Flammable.
R66	Repeated exposure may cause skin dryness or cracking.

16.2 Explanation of the abbreviations:

n.a. = not applicable n.v., k.D.v. = n.av. = not available n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40

TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period)

STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany)

BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds

AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

16.3 Literature register

The given information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.