

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 1 of 14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

luxaprint® flex

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

Use of the substance/mixture

Light-curing single component material for the generative production of soft ear moulds.

1.3. Details of the supplier of the safety data sheet

| Company name: | DETAX GmbH & Co. KG | |
|--------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------|
| Street: | Carl-Zeiss-Strasse | |
| Place: | D-76275 Ettlingen | |
| Telephone: | +49 7243/510-0 | Telefax: +49 7243/510-100 |
| e-mail: | post@detax.de | |
| Internet: | www.detax.de | |
| Responsible Department: | Emergency number: +49 7243/510-0 | |
| | This number is only obtainable duri - 5.00 p.m., Friday 8.00 a.m 4.00 | ing office hours (Monday - Thursday 8.00 a.m. p.m.) |
| 1.4. Emergency telephone | +49 7243/510-0 | |
| number: | This number is only obtainable duri - 5.00 p.m., Friday 8.00 - 4.00 p.m. | ing office hours (Monday - Thursday 8.00 a.m.) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories: Skin corrosion/irritation: Skin Irrit. 2 Serious eye damage/eye irritation: Eye Irrit. 2 Respiratory or skin sensitisation: Skin Sens. 1 Specific target organ toxicity - single exposure: STOT SE 3 Hazardous to the aquatic environment: Aquatic Chronic 2 Hazard Statements: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

(Octahydro-4,7-methano-1H-indenyl)methyl acrylate 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester Urethanacrylat Oligomer Urethane Dimenthacrylate 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate 2-hydroxyethyl acrylate diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide 2-hydroxyethyl methacrylate Signal word: Warning

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 2 of 14

Pictograms:



Hazard statements

| H315 | Causes skin irritation. |
|------|--------------------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

| · · · · · · · · · · · · · · · · · · · | |
|---------------------------------------|-----------------------------------------------------------------------------------|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P391 | Collect spillage. |
| P501 | Dispose of contents/ container in accordance with local and national regulations. |
| | |

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of acrylic/ methacrylic resins with auxilliary matters.

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 3 of 14

Hazardous components

| CAS No | Chemical name | Quantity |
|------------|---------------------------------------------------------------------------------------------------------|-------------|
| | EC No Index No REACH No | |
| | GHS Classification | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | 30 - < 35 % |
| | 300-723-4 01-2120785023-58 | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, STOT SE 3, Aquatic Chronic 2; H315 H319 H317 H335 H411 | |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | 30 - < 35 % |
| | 266-380-7 | |
| | Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411 | |
| | Urethanacrylat Oligomer | 30 - < 35 % |
| | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335 | |
| 72869-86-4 | Urethane Dimenthacrylate | 10 - < 15 % |
| | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335 | |
| 142-90-5 | dodecyl methacrylate | 5 - < 10 % |
| | 205-570-6 607-247-00-9 01-2119489778-11 | |
| | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H335 H400 H410 | |
| 5187-23-5 | 5-ethyl-1,3-dioxane-5-methanol | 1 - < 5 % |
| | 225-967-8 | |
| | Eye Irrit. 2; H319 | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | 1 - < 5 % |
| | 239-701-3 607-111-00-9 | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H317 H400 H410 | |
| 818-61-1 | 2-hydroxyethyl acrylate | < 1 % |
| | 212-454-9 607-072-00-8 | |
| | Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1; H311 H314 H317 H400 | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | < 1 % |
| | 278-355-8 015-203-00-X | |
| | Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361f H317 H411 | |
| 868-77-9 | 2-hydroxyethyl methacrylate | < 1 % |
| | 212-782-2 607-124-00-X | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317 | |
| 128-37-0 | "BHT; butylated hydroxytoluene" | < 1 % |
| | 204-881-4 | |
| | Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H315 H319 H400 H410 | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 4 of 14

4.1. Description of first aid measures

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water.

Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unhindered flow out of the vomit (danger of suffocation).

4.2. Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 5 of 14

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

Keep away from spontaneous flammable or combustible substances.

Further information on storage conditions

Keep only in the original container in a dry and well-ventilated place, away from foodstuffs. Keep away from all kind of ligth. An inert gas blanket should not be applied, because the stability of the product depends on the presence of oxygen (air).

7.3. Specific end use(s)

Light-curing single component material for the generative production of soft ear moulds. For use by trained specialist staff.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|----------|----------------------------|-----|-------|-----------|-----------|--------|
| 128-37-0 | 2,6-Di-tert-butyl-p-cresol | - | 10 | | TWA (8 h) | WEL |

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: NBR (Nitrile rubber)

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 6 of 14

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Physical state: liquid: Colour: clear Odour: faintly like esters Test method pH-Value: not determined Changes in the physical state Melting point: not determined Initial boiling point and boiling range: not determined >100 °C DIN 51755 Flash point: Flammability not applicable Solid: Gas: not applicable **Explosive properties** The product is not: Explosive. Lower explosion limits: not determined Upper explosion limits: not determined Auto-ignition temperature Solid: not applicable Gas: not applicable Decomposition temperature: >=190 °C **Oxidizing properties** Not oxidizing. Vapour pressure: <1 hPa (at 20 °C) Density (at 20 °C): 1,09 g/cm3 DIN 51757 Water solubility: insoluble Solubility in other solvents not determined Partition coefficient: not determined Vapour density: not determined Evaporation rate: not determined 9.2. Other information Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions



luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 7 of 14

Reacts with : strong oxidising agents, strong alcaline or acidic materials.

10.4. Conditions to avoid

Ultra-violet ligth and dayligth initiate polymerisation of the product. Therefore keep only in tigthly closed containers away from any sources of ligth at 15°C - 28°C / 59°F - 82 °F.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 8 of 14

| CAS No | Chemical name | Chemical name | | | | | |
|------------|---------------------------------------------------|------------------|----------------|---------------------|----------|----------|--|
| | Exposure route | Dose | | Species | Source | Method | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | | | |
| | oral | LD50 mg/kg | 2000 | Rat | | OECD 423 | |
| 66492-51-1 | 2-Propenoic acid, (5- | ethyl-1,3-dioxa | n-5-yl)methy | lester | | | |
| | oral | LD50 mg/kg | >2000 | Rat | | | |
| | dermal | LD50 mg/kg | 2000 | Rat | | | |
| 142-90-5 | dodecyl methacrylate | 9 | | - | | | |
| | oral | LD50 mg/kg | >5000 | Rat | OECD 401 | | |
| | dermal | LD50 mg/kg | >3000 | Rabbit | | | |
| 15625-89-5 | 2,2-bis(acryloyloxym | ethyl)butyl acry | late, trimethy | lolpropane triacryl | ate | | |
| | oral | LD50 mg/kg | >5000 | Rat | | | |
| | dermal | LD50 mg/kg | >2000 | Rat | | | |
| 818-61-1 | 2-hydroxyethyl acryla | ate | | | | | |
| | oral | LD50 mg/kg | 548 | Rat | | | |
| | dermal | LD50 mg/kg | 298 | Rabbit | GESTIS | | |
| 75980-60-8 | diphenyl(2,4,6-trimet | hylbenzoyl)pho | sphine oxide | • | | | |
| | oral | LD50 mg/kg | >5000 | Rat | | | |
| | dermal | LD50 mg/kg | >2000 | Rat | | | |
| 868-77-9 | 2-hydroxyethyl metha | acrylate | | | | | |
| | oral | LD50 mg/kg | 5050 | Rat | | | |
| | dermal | LD50 mg/kg | >3000 | Rabbit | | | |
| 128-37-0 | "BHT; butylated hydro | oxytoluene" | | | | | |
| | oral | LD50 mg/kg | 890 | Rat | | | |
| | dermal | LD50 mg/kg | >2000 | Rat | OECD 402 | | |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. ((Octahydro-4,7-methano-1H-indenyl)methyl acrylate; 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester; Urethanacrylat Oligomer; Urethane Dimenthacrylate;

2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate; 2-hydroxyethyl acrylate;

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide; 2-hydroxyethyl methacrylate)



according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 9 of 14

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation. ((Octahydro-4,7-methano-1H-indenyl)methyl acrylate; Urethanacrylat Oligomer)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 10 of 14

| CAS No | Chemical name | | | | | | |
|------------|---------------------------------------------------|---------------|-----------------|-----------|----------------------------------------|--------|----------|
| | Aquatic toxicity | Dose | | [h] [d] | Species | Source | Method |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | | | |
| | Acute fish toxicity | LC50 | 1,8 mg/l | 96 h | Brachydanio rerio (zebra-fish) | | OECD 203 |
| | Acute algae toxicity | ErC50 mg/l | 1,15 | 72 h | Pseudokirchneriella subcapitata | | OECD 201 |
| | Acute crustacea toxicity | EC50 mg/l | 2,64 | 48 h | Daphnia magna (Big water flea) | | OECD 202 |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl | -1,3-dioxan | -5-yl)methyl e | ester | | | |
| | Acute fish toxicity | LC50 | 4 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 | 34 mg/l | 72 h | Desmodesmus subspicatus. | | |
| | Acute crustacea toxicity | EC50 | 20 mg/l | 48 h | Daphnia magna (Big water flea) | | |
| | Acute bacteria toxicity | (>1,000 | mg/l) | 3 h | Activated sludge | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl |)butyl acryla | ate, trimethylo | Ipropane | e triacrylate | _ | |
| | Acute algae toxicity | ErC50 mg/l | 4,86 | 96 h | Desmodesmus subspicatus. | | |
| | Acute crustacea toxicity | EC50 mg/l | 19,9 | 48 h | Daphnia magna (Big water flea) | | |
| 818-61-1 | 2-hydroxyethyl acrylate | | | | | | |
| | Acute fish toxicity | LC50 | 4,8 mg/l | 96 h | | GESTIS | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbe | enzoyl)phos | phine oxide | _ | | | |
| | Acute algae toxicity | ErC50 mg/l | >2,01 | 72 h | Scenedesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 mg/l | 3,53 | 48 h | Daphnia magna (Big water flea) | | |
| | Acute bacteria toxicity | (>1000 r | mg/l) | 3 h | Activated sludge | | |
| 868-77-9 | 2-hydroxyethyl methacryla | ate | | | | | |
| | Acute fish toxicity | LC50 | 227 mg/l | 96 h | Pimephales promelas | | |
| 128-37-0 | "BHT; butylated hydroxyto | luene" | | | | | |
| | Acute crustacea toxicity | EC50 mg/l | 0,48 | 48 h | Daphnia pulex (water flea) | | |

12.2. Persistence and degradability

The product has not been tested.

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 11 of 14

| CAS No | Chemical name | | | | | | |
|------------|--------------------------------------------------------------------------|-------|----|--------|--|--|--|
| | Method | Value | d | Source | | | |
| | Evaluation | | | | | | |
| 93962-84-6 | (Octahydro-4,7-methano-1H-indenyl)methyl acrylate | | | | | | |
| | OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D | 11,8% | 28 | | | | |
| | Not readily biodegradable (according to OECD criteria) | | | | | | |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | | | | | | |
| | Evidence for inherent biodegradability. | 28% | 28 | | | | |
| 142-90-5 | dodecyl methacrylate | | | | | | |
| | OECD 201 | 88,5% | 28 | | | | |
| | Readily biodegradable (according to OECD criteria). | | | | | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | | | | | | |
| | | 86% | 28 | | | | |
| | Readily biodegradable (according to OECD criteria). | | | | | | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | | | | |
| | | 0-10% | 28 | | | | |
| | Not readily biodegradable (according to OECD criteria |) | | | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | | | |
| | 84 | % | 28 | | | | |
| | Leicht biologisch abbaubar | | | | | | |

12.3. Bioaccumulative potential

The product has not been tested.

| Partition coef | artition coefficient n-octanol/water | | | | |
|----------------|--------------------------------------------------------------------------|--|--|--|--|
| CAS No | Chemical name | | | | |
| 66492-51-1 | 2-Propenoic acid, (5-ethyl-1,3-dioxan-5-yl)methyl ester | | | | |
| 15625-89-5 | 2,2-bis(acryloyloxymethyl)butyl acrylate, trimethylolpropane triacrylate | | | | |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | |

BCF

128-37-0

| CAS No | Chemical name | BCF | Species | Source |
|------------|-----------------------------------------------------|-------|-----------------------------------|----------|
| 142-90-5 | dodecyl methacrylate | 37 | Brachydanio rerio (zebra-fish) | OECD 305 |
| 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphi ne oxide | 47-55 | Cyprinus carpio (Common Carp) | |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

Not identivied as PBT/ vPvB substances

"BHT; butylated hydroxytoluene"

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Log Pow 1,9 0,67 3,1 0,47

5,1

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 12 of 14

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

| <u>14.1. UN number:</u> | UN 3082 |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 14.2. UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: (Octahydro-4,7-methano-1H-indenyl)methyl acrylate |
| 14.3. Transport hazard class(es): | 9 |
| 14.4. Packing group: | III |
| Hazard label: | 9 |
| Classification code: | M6 |
| Special Provisions: | 274 335 375 601 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| Transport category: | 3 |
| Hazard No: | 90 |
| Tunnel restriction code: | - |
| Marine transport (IMDG) | |
| <u>14.1. UN number:</u> | UN 3082 |
| 14.2. UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: (Octahydro-4,7-methano-1H-indenyl)methyl acrylate |
| 14.3. Transport hazard class(es): | 9 |
| 14.4. Packing group: | III |
| Hazard label: | 9 |
| Special Provisions: | 274, 335, 969 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| EmS: | F-A, S-F |
| Other applicable information (marine tran Flash point: >100°C | sport) |
| Air transport (ICAO-TI/IATA-DGR) | |
| <u>14.1. UN number:</u> | UN 3082 |
| 14.2. UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: (Octahydro-4,7-methano-1H-indenyl)methyl acrylate |
| 14.3. Transport hazard class(es): | 9 |
| 14.4. Packing group: | III |
| Hazard label: | 9 |
| Special Provisions: | A97 A158 A197 |
| Limited quantity Passenger: | 30 kg G |
| Passenger LQ: | Y964 |
| Excepted quantity: | E1 |
| IATA-packing instructions - Passenger: | 964 |
| IATA-max. quantity - Passenger: | 450 L |

| | according to Regulation (EC) No 1907/2006 | | | | |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------|--|--|--|
| | luxaprint® flex | | | | |
| Revision date: 12.11.2019 | Product code: 1105 | Page 13 of 14 | | | |
| | | rage 15 01 14 | | | |
| | | | | | |
| IATA-packing instructions - Cargo: | 964 | | | | |
| IATA-max. quantity - Cargo: | 450 L | | | | |
| 14.5. Environmental hazards | | | | | |
| ENVIRONMENTALLY HAZARDOUS: | yes | | | | |
| 14.6. Special precautions for user | | | | | |
| No dangerous good in sense of this tra | ansport regulation. | | | | |
| 14.7. Transport in bulk according to Annex | I of Marpol and the IBC Code | | | | |
| No dangerous good in sense of this tra | | | | | |
| SECTION 15: Regulatory information | | | | | |
| 15.1. Safety, health and environmental regu | lations/legislation specific for the substance or mixture | | | | |
| EU regulatory information | | | | | |
| Information according to 2012/18/EU | E2 Hazardous to the Aquatic Environment | | | | |
| (SEVESO III): National regulatory information | | | | | |
| Employment restrictions: | Observe restrictions to employment for juvenils according to the 'juveni | le | | | |
| Employment restrictions. | work protection guideline' (94/33/EC). | | | | |
| Water contaminating class (D): | 3 - highly water contaminating | | | | |
| Skin resorption/Sensitization: | Causes allergic hypersensitivity reactions. | | | | |
| 15.2. Chemical safety assessment | | | | | |
| Chemical safety assessments for subs | stances in this mixture were not carried out. | | | | |
| SECTION 16: Other information | | | | | |
| | | | | | |
| Abbreviations and acronyms | t des marchandises dangereuses par Route | | | | |
| | International Carriage of Dangerous Goods by Road) | | | | |
| IMDG: International Maritime Code for | | | | | |
| IATA: International Air Transport Assoc | siation | | | | |
| | Classification and Labelling of Chemicals | | | | |
| EINECS: European Inventory of Existi ELINCS: European List of Notified Ch | | | | | |
| CAS: Chemical Abstracts Service | enical Substances | | | | |
| LC50: Lethal concentration, 50% | | | | | |
| LD50: Lethal dose, 50% | | | | | |
| CLP: Classification, labelling and Pack | | | | | |
| REACH: Registration, Evaluation and Authorization of Chemicals | | | | | |
| GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals UN: United Nations | | | | | |
| DNEL: Derived No Effect Level | | | | | |
| DMEL: Derived Minimal Effect Level | | | | | |
| PNEC: Predicted No Effect Concentra | tion | | | | |
| ATE: Acute toxicity estimate | | | | | |
| LL50: Lethal loading, 50% EL50: Effect loading, 50% | | | | | |
| EC50: Effective Concentration 50% | | | | | |
| ErC50: Effective Concentration 50%, g | growth rate | | | | |
| NOEC: No Observed Effect Concentra | ation | | | | |
| BCF: Bio-concentration factor | | | | | |
| PBT: persistent, bioaccumulative, toxi | <u>_</u> | | | | |

DETAX

Safety Data Sheet

according to Regulation (EC) No 1907/2006

luxaprint® flex

Revision date: 12.11.2019

Product code: 1105

Page 14 of 14

vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
@1602.B016012

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Skin Irrit. 2; H315 | Calculation method |
| Eye Irrit. 2; H319 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |
| STOT SE 3; H335 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

Relevant H and EUH statements (number and full text)

| H302 | Harmful if swallowed. |
|-------|-------------------------------------------------------|
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H361f | Suspected of damaging fertility. |
| 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. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singulary responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)