



LF-Modellak

Varieties: **5% & 12%**

2,5 - 5 - 10 - 20 liters can and 200 liters barrel

PR-no: **914233**

No.: **Transparent BASE**
Color: **CLEAR**
Thinner: **LF 17 Special Thinner**
UN1263

Contains: **XYLENER - POLYISOCYANAT**

Safety rules for painters:
3-4



Use:

Top coat for surface treatment of concrete model and moulds

- Incredibly strong
- High temperature resistant (100 °C/212 °F)
- Weather resistant
- Ensures that the concrete does not stick to the mold or the concrete
- Releases perfectly
- Leaves the concrete with a super smooth result and finish.
- Can be used up to 20 times in the same mould

Typically use 5% for primers and 12% for the finished layer.

Drying/Overcoating

- Fast dry
- Grind and re-treat after 3 hours at *20 C.
- Cured after 18 hours at *20 C.



Customer quote

"This super strong varnish makes molds incredibly smooth, preventing concrete from sticking. With this varnish, you can make up to 20 castings, and the molds can even be stored outside in all weather conditions, thanks to the high wear resistance of the varnish."



Clients: (Danish)

CRH, Dalton, DLT Group, Industri beton, DanElement, Consolis, Odicon, Hi-con, Aarhus cement fabrik, Spæncom, Modulbad

Developed in collaboration with the concrete industry and form builders



LF-Modellak

Cases:
CRH, Denmark

Beautiful reliefs in the concrete break the surface.
The beautiful sandwich facade solution has had many details.
The shape is made of wood coated with this varnish, so it gets all the beautiful details from the wood.



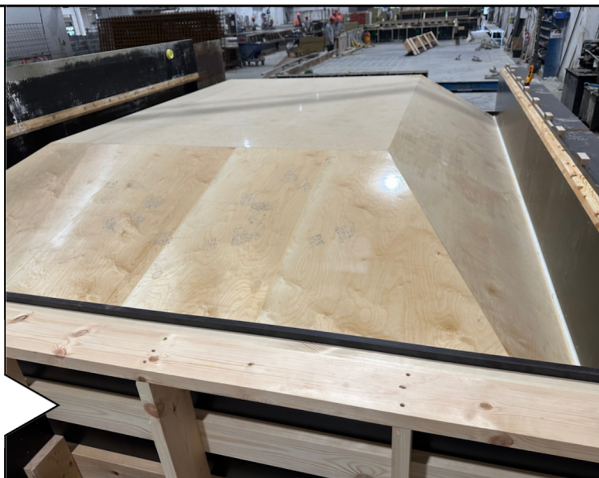
Cases:
CRH, Denmark

Molding of large stair elements can be solved beautifully with the varnish, which comes off easily and gives a beautiful and stylish surface to the finished look.

Cases:
**University Hospital
Køge, Denmark**

Concrete facade modules, with a smooth finish.
Weighing 17 tons each.

Wooden mold for the concrete facade modules.



XYLENER - POLYISOCYANAT

- Harmful by inhalation, by skin contact and by ingestion.
- The packaging must be kept tightly closed and stored in a well-ventilated place.
- Do not eat, drink or smoke during use.
- Do not enter sewers.
- May only be sprayed under conditions with good ventilation. If necessary, use respiratory protection.
- Avoid inhalation of vapors and spray mist.
- If effective ventilation is not possible, use suitable respiratory protection!



Prepared on the basis of EU regulation 1907/2006 (REACH)

Safety data sheet (MSDS)

Prepared: 18-11-2021

SDS version: 1.7

ITEM 1: Identification of the substance/mixture and of the company/company

1.1. Produktidentifikator

Handelsnavn: **LF Modellak 13-1362**

Produkt-nr.: -

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

Recommended uses: Top coat for surface treatment of model moulds.

Uses advised against: May only be used as described above, other uses must be made in consultation with the supplier.

1.3. Details of the supplier of the safety data sheet

Company name and address:

Lars Frey Farve & Lak ApS

Solrødvej 6,

port H, DK-4621 Gadstrup

Denmark

Tlf: + 45 20 84 21 31

Contact person and email:

lfj@larsfrey.dk

The safety data sheet has been prepared and validated by:

Mediator A/S, Centervej 2, 6000 Kolding. Consulent: DH 1.4.

Emergency phone:

The Danish poison hotline: +45 82 12 12 12, or the poison line in your country and region

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 2: Hazard identification

2.1. Classification of the substance or mixture

CLP (1272/2008): Flam. Liq. 3;H226, Skin Irrit. 2;H315, EUH204. Wording of H-phrases - see below in point 16.

2.2. Marking elements



Signal word:

Warning

Flammable liquid and vapor. (H226)

Causes skin irritation. (H315)

Contains isocyanates. May trigger an allergic reaction. (EUH204)

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking. (P210)

Avoid inhalation of mist/vapour. (P261)

Wear protective gloves/eye protection/face protection. (P280)

IF INHALED: Move the person to a place with fresh air and ensure that breathing is facilitated. Call the POISON LINE/doctor in case of discomfort. (P304+P340+P312)

In case of skin irritation: Seek medical attention. (P332+P313)

2.3. Other dangers

The product contains organic solvent. Repeated exposure to organic solvents can cause damage to the nervous system and internal organs such as liver, kidneys.

Other marking:

-

Other things

The product contains substances that are covered by Danish working environment legislation regarding cancer risk.

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 3: Composition of/information on ingredients

3.1./3.2. Substances / Mixtures

| Ingredient | Index-No. | CAS/EC no. | CLP classification | w/w % | Note |
|----------------------------------|--------------|--------------------------|--|--------|------|
| Xylene | 601-022-00-9 | 1330-20-7/ 215-535-7 | Flam. Liq. 3 ;H226, Acute Tox. 4;H312,H332, Skin Irrit. 2;H315 | <20 | 1 |
| 2-Methoxy-1-Methyl ethyl acetate | 607-195-00-7 | 108-65-6/ 203-603-9 | Flam. Liq. 3;H226 | Ca. 15 | 1 |
| Ethylbenzene | 601-023-00-4 | 100-41-4/ 202-849-4 | Flam. Liq. 2;H225, Asp.Tox. 1;H304, Acute Tox. 4;H332, STOT RE 2;H373 | <5 | 1, 2 |
| 2-Methyl-m-phenylenediisocyanate | 615-006-00-4 | 26471-62-5/ 247-722-4 | Skin Irrit. 2 ;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, , Acute Tox. 2;H330, Resp. Sens. 1;H334, STOT SE 3;H335, Carc. 2;H351, Aquatic Chronic 3;H412 | <0,1 | 2, 3 |

1 = The substance is included in the Norwegian Working Environment Authority's list of organic solvents. 2= The substance is included in the Norwegian Working Environment Authority's order on measures to prevent the risk of cancer when working with the substance and materials. 3= The substance is an isocyanate.

Ordlyd af H-sætninger – se nedenfor i item 16.

ITEM 4: First aid measures

4.1. Description of first aid measures

| | |
|-------------------------|---|
| Inhalation: | Seek fresh air. Keep the casualty under supervision. Seek medical attention if discomfort continues. |
| Intake: | Rinse your mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Seek medical attention if discomfort continues. |
| Skin contact: | Remove contaminated clothing immediately. Wash the skin with soap and water. Seek medical attention in case of discomfort. |
| Eye contact: | If the product gets into the eyes, rinse with water (preferably from eyewash) until the irritation ceases. Seek medical attention if irritation persists. |
| Combustion: | Rinse with water until the pain stops. Remove clothing that has not been burned - seek medical advice/hospital, if possible continue rinsing until the doctor takes over the treatment. |
| Additional information: | When consulting a doctor, bring the safety data sheet or label. |

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

Irritating effects: The product contains substances that are local irritants in case of skin/eye contact or inhalation. Contact with local irritants can result in the contact area becoming more exposed to the absorption of harmful substances such as allergens.

4.3. Indication of immediate medical attention and special treatment needed

Show this safety data sheet to the doctor or emergency department.

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 5: Fire fighting

5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist. Do not use a water jet as this can spread the fire.

5.2. Special hazards associated with the substance or mixture

Flammable liquid and vapor. Avoid inhalation of vapors and fumes - seek fresh air. In case of fire, the product decomposes and dangerous gases such as COX can be formed. In case of fire, thick black smoke will be produced. Exposure to decomposition products can cause health damage. Cool closed containers exposed to fire with water. Do not let water from fire extinguishing run into sewers and streams.

5.3. Instructions for firefighters

Firefighters should use appropriate protective equipment.

ITEM 6: Accidental release precautions

6.1. Personal safety measures, personal protective equipment and emergency procedures

Use personal protective equipment - see section 8. Avoid inhalation and contact with skin and eyes.

6.2. Environmental protection measures

Avoid unnecessary release to the environment - see section 12. Contact the authorities in connection with contamination of the soil and water environment as well as in the event of spillage into sewers.

6.3. Methods and equipment for containment and purification

Spills are contained and collected with sand or other absorbent non-combustible material and transferred to suitable waste containers. Rinse afterwards with water. See point 13 for disposal.

6.4. Reference to other points

See above.

ITEM 7: Handling and storage

7.1. Precautions for safe handling

See under section 8 for information on precautions for use and personal protective equipment. Smoking and use of open flames prohibited. The product should be used in well-ventilated conditions.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored securely, out of the reach of children and not together with food, feed, medicines etc. Should be stored in tightly closed original packaging. Must be stored in a dry, cool and ventilated place. Store fireproof. The National Emergency Management Agency's technical regulations for flammable liquids must be strictly followed, including the rules for flammable storage.

Fire hazard class and storage

Fire hazard class II-1, one storage unit = 5 litres.

A maximum of 25 units may be stored without the approval of the fire authorities. Please be aware that there may be relaxations, cf. section 3.1.2. in the Ministry of Defence's Order No. 1639 of 6/12/2016 on flammable and combustible liquids.

7.3. Special uses

See application section 1.

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 8: Exposure controls/personal protective equipment

8.1. Control parameters

Limit values according to executive order no. 1426 of 28/06/2021 on limit values for substances and materials:

| Ingredient | Threshold value | Note |
|----------------------------------|--------------------------------|---------|
| Xylene | 25 ppm – 109 mg/m ³ | E, H |
| 2-Methoxy-1-Methyl ethyl acetate | 50 ppm – 275 mg/m ³ | E, H |
| Ethylbenzene | 50 ppm – 217 mg/m ³ | E, H, K |

E = The substance has an EC limit value. H = The substance can be absorbed through the skin. K = K = The substance is considered to be carcinogenic.

DNEL/PNEC values:

DNEL - Xylene:

Workers

| | |
|-------------------------------|-----------------------|
| Inhalation - Chronic Systemic | 221 mg/m ³ |
| Inhalation - Acute Systemic | 442 mg/m ³ |
| Inhalation - Chronic Local | 221 mg/m ³ |
| Inhalation - Acute Local | 442 mg/m ³ |
| Dermal - Chronic Systemic | 212 mg/kg bw/day |

Consumers

| | |
|-------------------------------|------------------------|
| Inhalation - Chronic Systemic | 65.3 mg/m ³ |
| Inhalation - Acute Systemic | 260 mg/m ³ |
| Inhalation - Chronic Local | 65.3 mg/m ³ |
| Inhalation - Acute Local | 260 mg/m ³ |
| Dermal - Chronic Systemic | 125 mg/kg bw/day |
| Oral - Chronic systemic | 12.5 mg/kg bw/day |

DNEL - 2-Methoxy-1-Methylethyl acetate:

Workers

| | |
|-------------------------------|-----------------------|
| Inhalation - Chronic Systemic | 275 mg/m ³ |
| Inhalation - Acute Local | 550 mg/m ³ |
| Dermal - Chronic Systemic | 796 mg/kg bw/day |

Consumers

| | |
|-------------------------------|----------------------|
| Inhalation - Chronic Systemic | 33 mg/m ³ |
| Inhalation - Chronic Local | 33 mg/m ³ |
| Dermal - Chronic Systemic | 320 mg/kg bw/day |
| Oral - Chronic systemic | 36 mg/kg bw/day |

DNEL – Ethylbenzene:

Workers

| | |
|-------------------------------|-----------------------|
| Inhalation - Chronic Systemic | 77 mg/m ³ |
| Inhalation - Acute Local | 293 mg/m ³ |
| Dermal - Chronic Systemic | 180 mg/kg bw/day |

Consumers

| | |
|-------------------------------|----------------------|
| Inhalation - Chronic Systemic | 15 mg/m ³ |
| Oral - Chronic systemic | 1.6 mg/kg bw/day |

DNEL - 2-Methyl-m-phenylenediisocyanate:

Workers

| | |
|-------------------------------|-------------------------|
| Inhalation - Chronic Systemic | 0.035 mg/m ³ |
| Inhalation - Acute Systemic | 0.14 mg/m ³ |
| Inhalation - Chronic Local | 0.035 mg/m ³ |
| Inhalation - Acute Local | 0.14 mg/m ³ |

Prepared on the basis of EU regulation 1907/2006 (REACH)

PNEC – Xylene:

Fresh water 0.327 mg/L
 Intermittent releases (Freshwater) 0.327 mg/L
 Sea water 0.327 mg/L
 Soil 2.31 mg/kg soil dw

PNEC - 2-Methoxy-1-Methyl ethyl acetate:

Fresh water 0.635 mg/L
 Intermittent releases (Fresh water) 6.35 mg/L
 Sea water 0.064 mg/L
 Soil 0.29 mg/kg soil dw

PNEC – Ethylbenzene:

Fresh water 0.1 mg/L
 Intermittent releases (Fresh water) 0.1 mg/L
 Sea water 0.01 mg/L
 Soil 2.68 mg/kg soil dw

PNEC – 2-Methyl-m-phenylendiisocyanat:

Fresh water 0.013 mg/L
 Intermittent releases (Fresh water) 0.125 mg/L
 Sea water 0.001 mg/L
 Soil 1 mg/kg soil dw

8.2. Exposure control

There is no exposure scenario for this product.

Appropriate exposure control measures:

Use protective equipment as indicated below. Wash hands before breaks, toilet visits and after work. Do not eat, drink or smoke while using this product.

Personal protection:



| | |
|-------------------------|--|
| Respiratory protection: | Use approved mask with gas filter type A (brown - against organic vapours). The filters have a limited service life (must be changed). Read the manufacturer's instructions. |
| Protection of hands: | Use nitrile rubber protective gloves. If the glove is spilled, change it immediately and wash your hands with soap and water. |
| Eye/face protection: | Use safety glasses or a face shield. |
| Protection of skin: | Special work clothes should be used. |

Measures to limit environmental exposure

Make sure that when working with the product, there is damming material in the immediate vicinity. If possible, use waste trays during work.

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------|
| Appearance: | Liquid |
| Smell: | - |
| Odor threshold: | - |
| pH: | - |
| Melting point/Freezing point (°C): | - |
| Initial boiling point and boiling range (°C): | - |
| Flash point (°C): | 36 |
| Evaporation rate: | - |
| Flammability (solid, gas): | - |
| Upper/lower flammability or explosion limits (vol-%): | 8 / 1 (Xylene) |
| Vapor pressure (Pa): | - |
| Vapor density (air=1): | - |
| Relative density: | 1 |
| Solubility: | - |
| Partition coefficient: n-octanol/water: | - |
| Self-ignition temperature (°C): | - |
| Decomposition temperature (°C): | - |
| Viscosity: | - |
| Explosive properties: | - |
| Oxidizing properties: | - |

9.2. Other information

| | |
|-------------------------|---|
| Weight % org. Solvents: | - |
| VOC (g/l): | - |

ITEM 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with manufacturer's instructions. The vapors can ignite at temperatures above the flash point.

10.3. Risk of dangerous reactions

Vapors and air can form explosive mixtures.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Materials to avoid

Avoid contact with strong acids, strong bases, strong oxidizing agents and strong reducing agents.

10.6. Hazardous decomposition products

Cured materials can split at temperatures above 150 °C and release dangerous gases.

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: The data base does not give rise to classification.

| Substance | Exposure route | Type | Test | Result |
|----------------------------------|----------------|--------|----------------|-----------------------|
| Xylene | Oral | Rat | LD50 | 3523 mg/kg bw |
| Xylene | Inhalation | Rat | LC50/ 4 hours | 6350 ppm |
| 2-Methoxy-1-Methyl ethyl acetate | Oral | Rat | LD50 | 6100 - 10000 mg/kg bw |
| 2-Methoxy-1-Methyl ethyl acetate | Dermalt | Rat | LD50 | > 2000 mg/kg bw |
| Ethylbenzene | Oral | Rat | LD50 | 3500 mg/kg bw |
| Ethylbenzene | Inhalation | Rat | LC50 / 2 hours | 3500 mg/kg bw |
| Ethylbenzene | Dermalt | Rabbit | LD50 | 3500 mg/kg bw |
| 2-Methyl-m-phenylenediisocyanate | Oral | Rat | LD50 | 4130 mg/kg bw |
| 2-Methyl-m-phenylenediisocyanate | Inhalation | Rat | LC50 / 1 hours | 66 ppm |
| 2-Methyl-m-phenylenediisocyanate | Dermalt | Rabbit | LD50 | > 9400 mg/kg bw |

Skin corrosion/irritation: Irritating to the skin - may cause redness. Can be absorbed through the skin and cause symptoms such as dizziness and headache.

Serious eye damage/eye irritation: May cause eye irritation.

Respiratory sensitization or skin sensitization: The data base does not give rise to classification.

Germ cell mutagenicity: The data base does not give rise to classification.

Carcinogenicity: The product contains ethylbenzene and 2-methyl-m-phenylenediisocyanate, which can cause cancer.

Reproductive toxicity: The data base does not give rise to classification.

Single STOT exposure: The product emits vapors from organic solvents that may cause drowsiness and dizziness. In high concentrations, the vapors can cause headaches and intoxication.

Repeated STOT exposures: Prolonged or repeated exposure through skin contact or inhalation of vapors can cause damage to the central nervous system.

Aspiration hazard: The data basis does not give rise to classification.

Prepared on the basis of EU regulation 1907/2006 (REACH)

ITEM 12: Environmental information

12.1. Toxicity

| Substance | Test duration | Type | Test | Result |
|----------------------------------|---------------|---------|------|----------------|
| Xylene | 96 hours | Fish | LC50 | 2.6 mg/L |
| Xylene | 73 hours | Algae | EC50 | 2.2 mg/L |
| 2-Methoxy-1-Methyl ethyl acetate | 96 hours | Fish | LC50 | 100 - 180 mg/L |
| 2-Methoxy-1-Methyl ethyl acetate | 48 hours | Daphnia | EC50 | > 500 mg/L |
| 2-Methoxy-1-Methyl ethyl acetate | 72 hours | Algae | EC50 | > 1000 mg/L |
| Ethylbenzene | 96 hours | Fish | LC50 | 4.2 - 5.1 mg/L |
| Ethylbenzene | 48 hours | Daphnia | EC50 | 1.8 - 2.4 mg/L |
| Ethylbenzene | 72 hours | Algae | EC50 | 4.9 - 5.4 mg/L |
| 2-Methyl-m-phenylenediisocyanate | 96 hours | Fish | LC50 | 133 mg/L |
| 2-Methyl-m-phenylenediisocyanate | 48 hours | Daphnia | EC50 | 12.5 mg/L |
| 2-Methyl-m-phenylenediisocyanate | 96 hours | Algae | EC50 | 3230 mg/L |

12.2. Persistence and degradability

| Substance | Degradability in the aquatic environment | Test | Result |
|----------------------------------|--|----------------------|------------------|
| Xylene | Yes | OECD Guideline 301 F | 28 days: 90% |
| 2-Methoxy-1-Methyl ethyl acetate | Yes | OECD Guideline 301 F | 28 days: 90% |
| Ethylbenzene | Yes | OECD Guideline 302 C | 14 days: 81-100% |
| 2-Methyl-m-phenylenediisocyanate | No | OECD Guideline 302 C | 28 days: 0% |

12.3. Bioaccumulative potential

| Substance | Potentially bioaccumulative | LogPow | BCF |
|----------------------------------|-----------------------------|------------|-----|
| Xylene | No | 3.15 | - |
| 2-Methoxy-1-Methyl ethyl acetate | NO | 1.2 | - |
| Ethylbenzene | Yes | 3.03 - 3.6 | - |
| 2-Methyl-m-phenylenediisocyanate | Yes | 3.43 | - |

12.4. Mobility in soil

Test data not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Other adverse effects

None.

ITEM 13: Disposal

13.1. Methods for waste treatment

The product is covered by the regulations on hazardous waste. Spills and waste are collected in closed and tight containers, which are disposed of via the municipal waste scheme for hazardous waste with the specifications below.

| Chemical waste group | EAK- code | Waste type |
|----------------------|-----------|---|
| H | 08 01 11 | Paint and varnish waste containing halogenated solvents or other dangerous substances |
| Z | 08 05 01 | Isocyanate waste |

Prepared on the basis of EU regulation 1907/2006 (REACH)

Special marking:

Spills, residues, empty packaging, discarded work clothes, used disposable towels and other contaminated material must be placed in special waste containers. Containers must be clearly marked with, for example, "Polyurethane waste. Beware! Eczema danger! Isocyanates can form when heated!"
 Waste containers must be marked with a special label, with the following text: "Contains a substance that is covered by Danish working environment regulation with regard to cancer risk". The letters must be black on a yellow background. The size of the label must be 2.5 cm (h) x 5 cm (w) and it must be placed visibly on each waste container.

Contaminated packaging:

Packaging with residual contents of the product is disposed of under the same conditions as the product.

ITEM 14: Transport information

The product is covered by the regulations on the transport of dangerous goods by road and sea according to ADR and IMDG.

14.1 -14.4.

ADR

| UN-No | UN proper shipping name | Transport hazard class (r) | Packaging group |
|-------|-------------------------|----------------------------|-----------------|
| 1263 | Paint | 3 | III |

IMDG

| UN number | UN proper shipping name | Transport hazard class(es) | Packing group |
|-----------|-------------------------|----------------------------|---------------|
| 1263 | PAINT | 3 | III |

14.5. Environmental hazards

-

14.6. Special precautions for the user

-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the

IBC Code

Not applicable.

ITEM 15: Information on regulation

15.1. Special regulations/specific legislation for the substance or mixture with regard to safety, health and the environment

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Limitations of use:

During a workplace assessment, it must be ensured that employees are not exposed to influences that could entail a risk during pregnancy or breastfeeding (cf. Norwegian Working Environment Authority's Executive Order no. 559 of 17/06/2004 on the performance of work).

Young people under the age of 18 may not professionally use or be exposed to the product. However, young people over the age of 15 are exempt from this rule if the product is included as a necessary part of an education. (cf., however, the Norwegian Working Environment Authority's Executive Order no. 239 of 06/04/2005 on youth work).

People who suffer from asthma or eczema, as well as people who have been diagnosed with chronic lung diseases or have been diagnosed with a skin or airway allergy to isocyanates, must not work with the product. People with profuse hand sweating (hyperhidrosis manuum) must not work with the product.

Requirements for special education:

Users must have undergone approved training to work with epoxy resins and isocyanates.

Prepared on the basis of EU regulation 1907/2006 (REACH)

Other marking:

Code Number (1993): 4-3.

Product no.: 914233.

May cause allergic reactions when used in people who are already hypersensitive to diisocyanates. People suffering from asthma, eczema or skin problems should avoid contact, including skin contact, with this product. This product should not be used in case of poor ventilation, unless a protective mask with a suitable gas filter (eg type A1 according to norm EN 14387) is worn.

Sources:

The Danish Working Environment Authority's order no. 301 of 13 May 1993 on determining code numbers, with subsequent amendments.

Order on work with substances and materials (chemical agents) - BEK no. 1793 of 18/12/2015. The Norwegian Working Environment Authority's order no. 1049 of 30 May 2021 on the work of young people, with subsequent amendments. Executive Order No. 1369 of 25 November 2015 on the marketing and labeling of volatile organic compounds in certain paints and varnishes as well as products for car refinishing.

Executive order no. 1075 of 24 November 2011 on classification, packaging, labelling, sale and storage of substances and mixtures, with subsequent amendments.

Executive Order No. 115 of 26 January 2017 of the Chemicals Act.

Order on special duties for manufacturers, suppliers and importers, etc. of substances and materials according to the Working Environment Act - BEK no. 1794 of 18/12/2015.

Executive order no. 1426 of 28/06/2021 on limit values for substances and materials.

Executive order no. 2159 of 09/12/2020 on waste, with subsequent amendments.

15.2. Chemical Safety Assessment

None.

ITEM 16: Other information

Other information:

Sources:

EU Regulation No. 1907/2006 (REACH).

EU regulation no. 1272/2008 (CLP), with later adaptations.

EU Regulation No. 276/2010.

ECHA – The European Chemicals Agency.

The full wording of the H sentences referred to in points 2+3:

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H330 - Fatal if inhaled.

H332 - Harmful by inhalation.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation.

H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects.

EUH204 - Contains isocyanates. May trigger an allergic reaction.

Prepared on the basis of EU regulation 1907/2006 (REACH)

| Classification according to Regulation (EC) No. 1272/2008: | |
|--|--------------------|
| Flam. Liq. 3;H226 | Calculation method |
| Skin Irrit. 2;H315 | Calculation method |
| EUH204 | Calculation method |

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, assessment and approval of and restrictions on chemicals. Regulation (EC) No. 1907/2006.

CLP: Regulation (EC) No. 1272/2008 on classification, labeling and packaging.

CAS No.: Chemical Abstracts Service number.

EC no.: EINECS and ELINCS number (see also EINECS and ELINCS).

DNEL: Derived No-Effect Level (Derived No-Effect Level).

PNEC: Predicted No Effect Concentration (Predicted No Effect Concentration).

STOT: Specific Target Organ Toxicity (Specific Target Organ Toxicity).

LD50: Lethal Dose for 50% of a test population.

LC50: Lethal concentration for 50% of a test population.

EC50: The effective substance concentration that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic substance (Persistent, Bioaccumulative and Toxic).

vPvB: Very persistent and very bioaccumulative (Very Persistent and Very Bioaccumulative).

Other things

The information in this safety data sheet only applies to the product mentioned in point 1 and is not necessarily valid when used together with other products.

Changes have been made in the following points:

1-16 General Update.

This safety data sheet replaces version:

1.6 (20-04-2020).
