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LIQUIFOIL
PEEL OFF SURFACE PROTECTION

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

1.1 Product identifier

Product name: LiquiFoil LF01/LF02/LF03

Product type: Mixture

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

Relevant identified use: Temporary peelable protective coating for non-absorbing surfaces. For professional use.

Uses advised against: Application to absorbing surfaces.

1.3 Details of the supplier of the safety data sheet

Supplier/distributor: Gratch International B.V.

Address: J.F. Kennedylaan 248

Postal code and city: 5981 WX Panningen

Country: The Netherlands

Telephone: +31(0)77 465 10 95

Email: info@gratch.com

Department responsible for the safety data sheet: Product Safety Department

Email: info@gratch.com

1.4 Emergency telephone number

Gratch International B.V.: +31(0)77 465 10 95

Availability: Monday to Friday, 08:30-17:00 CET/CEST

Languages: Dutch, English and German

Netherlands National Poisons Information Centre (NVIC): +31(0)88 755 8000 - only for the purpose of informing medical personnel in cases of acute intoxication; available 24 hours a day.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms: None required.

Signal word: None required.

Hazard statements: None required.

Precautionary statements: None required.

Supplemental hazard information: None.

2.3 Other hazards

The mixture does not contain substances at concentrations of 0.1% or higher that meet the PBT or vPvB criteria in accordance with Annex XIII of Regulation (EC) No 1907/2006.

The mixture does not contain substances at concentrations of 0.1% or higher that have been identified as having endocrine-disrupting properties.

No other hazards known.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is a mixture.

3.2 Mixtures

Chemical characterisation: Aqueous acrylic polymer dispersion.

The mixture does not contain substances that are required to be listed in this subsection in accordance with Annex II to Regulation (EC) No 1907/2006.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: No special measures required. If symptoms occur or persist, seek medical advice.
 Following inhalation: Move the affected person to fresh air. Seek medical advice if symptoms occur.
 Following skin contact: Wash with water and soap. Remove contaminated clothing. Seek medical advice if irritation occurs.
 Following eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.
 Following ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No known acute or delayed symptoms or effects.

4.3 Indication of any immediate medical attention and special treatment needed

No specific treatment required. Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, alcohol-resistant foam, dry extinguishing powder or carbon dioxide.
 Select extinguishing media appropriate to the surrounding fire.
 Unsuitable extinguishing media: No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture

The liquid product is not classified as flammable. After evaporation of the water, the dried polymer film is combustible. Combustion or thermal decomposition may produce carbon monoxide, carbon dioxide and smoke. Other hazardous combustion products are not known.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and suitable protective clothing where necessary. Prevent contaminated firefighting water from entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and prolonged contact with skin. Use personal protective equipment as described in Section 8. Ensure adequate ventilation when the product is sprayed.

6.2 Environmental precautions

Prevent the product from entering drains, surface water or soil. Inform the relevant authorities if significant quantities enter the environment.

6.3 Methods and material for containment and cleaning up

Contain the spill. Absorb with sand, diatomaceous earth, universal binder or other suitable liquid-binding material. Collect in a suitable container for disposal. Clean residues with water.

6.4 Reference to other sections

See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and prolonged contact with skin. Ensure adequate ventilation during spraying. Observe normal occupational hygiene practices. Keep the container closed when not in use. No special fire or explosion protection measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Store in the tightly closed original container at temperatures between 5 °C and 35 °C. Protect from frost, direct sunlight and heat.
 Shelf life: 12 months in the unopened original container when stored under the recommended conditions.
 No incompatible storage materials known.

7.3 Specific end use(s)

Temporary peelable protective coating for non-absorbing surfaces for professional use. Observe the product technical and application instructions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The mixture does not contain substances for which Union occupational exposure limit values have been established.
DNEL and PNEC values: No data available.

8.2 Exposure controls

Appropriate engineering controls: Ensure adequate general ventilation. During spraying, provide sufficient ventilation to minimise exposure to spray mist.
Respiratory protection: During spraying, use suitable respiratory protection against spray mist, such as an FFP2 particle-filtering mask. Respiratory protection is not normally required during application by roller or brush.
Hand protection: Protective gloves are not normally required. Nitrile rubber gloves are recommended during prolonged or repeated contact.
Eye protection: Not normally required. Safety glasses with side protection are recommended during spraying or where splashing is possible.
Skin and body protection: Normal work clothing.
Hygiene measures: Wash hands after handling and before breaks. Do not eat, drink or smoke while using the product.
Environmental exposure controls: Prevent uncontrolled release into drains, surface water or soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	White to milky grey
Odour:	Characteristic
Melting point/freezing point:	Not determined
Boiling point or initial boiling point/range:	100 °C
Flammability:	The liquid product is not classified as flammable.
Lower and upper explosion limit:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	The product is not self-igniting
Decomposition temperature:	Not determined
pH (at 20 °C):	8.5
Kinematic viscosity:	Not determined
Solubility in water:	Fully miscible
Partition coefficient n-octanol/water (log):	Not determined
Vapour pressure:	23 hPa at 20 °C
Density (at 20 °C / DIN 51757):	1.03 g/cm ³
Relative vapour density:	Not determined
Particle characteristics:	Not applicable; the product is a liquid

9.2 Other information

See subsections 9.2.1 and 9.2.2.

9.2.1 Information with regard to physical hazard classes

Explosive properties: The product does not present an explosion hazard
Oxidising properties: Not classified as oxidising

9.2.2 Other safety characteristics

Dynamic viscosity (at 20 °C):	3000-8000 mPa·s (RPM60/spindle 4)
Organic solvent content:	0.0%
Solids content (DIN 53216):	45.0-50.0%
Odour threshold:	Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known under normal conditions of use and storage.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Avoid freezing, direct sunlight, excessive heat and storage outside the recommended temperature range of 5–35 °C.

10.5 Incompatible materials

No incompatible materials known.

10.6 Hazardous decomposition products

No hazardous decomposition products known under normal conditions of use and storage. In the event of fire, carbon monoxide, carbon dioxide and smoke may be formed; see Section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The mixture as a whole has not been toxicologically tested. The assessment is based on available information on the components and the classification criteria of Regulation (EC) No 1272/2008.

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

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT - single exposure: Based on available data, the classification criteria are not met.

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.

Likely routes of exposure: Inhalation of spray mist and contact with skin or eyes.

Symptoms related to the physical, chemical and toxicological characteristics: No known specific symptoms.

Delayed and immediate effects: No known delayed or immediate effects.

11.2 Information on other hazards

See subsections 11.2.1 and 11.2.2.

11.2.1 Endocrine-disrupting properties

The mixture does not contain substances at concentrations of 0.1% or higher that have been identified as having endocrine-disrupting properties.

11.2.2 Other information

No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

The mixture as a whole has not been ecotoxicologically tested. The assessment is based on available information on the components and the classification criteria of Regulation (EC) No 1272/2008. Based on available data, the mixture is not classified as hazardous to the aquatic environment. No quantitative test data are available for the mixture.

12.2 Persistence and degradability

No data available for the mixture.

12.3 Bioaccumulative potential

No data available for the mixture.

12.4 Mobility in soil

No data available for the mixture.

12.5 Results of PBT and vPvB assessment

The mixture does not contain substances at concentrations of 0.1% or higher that meet the PBT or vPvB criteria of Annex XIII to Regulation (EC) No 1907/2006.

12.6 Endocrine-disrupting properties

The mixture does not contain substances at concentrations of 0.1% or higher that have been identified as having endocrine-disrupting properties.

12.7 Other adverse effects

No other adverse environmental effects known. Prevent uncontrolled release into drains, surface water or soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not discharge product residues into drains, surface water or soil. Collect liquid residues in suitable closed containers and dispose of them through an authorised waste disposal contractor in accordance with local, regional and national regulations.

Dried product residues may be disposed of as non-hazardous waste in accordance with applicable local regulations. Completely emptied packaging may be recycled or disposed of in accordance with local regulations. Packaging containing product residues must be treated in the same manner as the product.

The appropriate European Waste Catalogue (EWC) code must be assigned by the waste producer based on the specific use and circumstances in which the waste was generated.

SECTION 14: Transport information

14.1 UN number or ID number

The product is not classified as dangerous goods under ADR, RID, ADN, IMDG or ICAO-TI/IATA-DGR.
UN number or ID number: Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not classified as environmentally hazardous for transport. Not a marine pollutant.

14.6 Special precautions for user

Protect from frost and temperatures outside the recommended storage range of 5-35 °C during transport.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable. The product is not intended for transport in bulk.

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 concerning REACH, as amended.
 Regulation (EC) No 1272/2008 concerning classification, labelling and packaging (CLP), as amended.
 Commission Regulation (EU) 2020/878 concerning the requirements for safety data sheets.
 The mixture does not contain substances included in the REACH Candidate List at concentrations of 0.1% or higher.
 The mixture does not contain substances subject to authorisation under REACH Annex XIV.
 No product-specific restriction under REACH Annex XVII is known to apply.
 The mixture is not subject to the requirements of Directive 2012/18/EU (Seveso III).
 Country-specific regulatory information must be included in the applicable national-language version where required.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Document information

Version: 1.0 according to Regulation (EU) 2020/878
 Revision date: 01-09-2026
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Changes made

Complete revision and restructuring in accordance with Regulation (EU) 2020/878. The designation "Material Safety Data Sheet" has been replaced by "Safety Data Sheet". All sections have been reviewed and updated.

Classification method

The classification of the mixture was determined using the calculation methods and classification criteria of Regulation (EC) No 1272/2008 (CLP), based on available information on the components.

Key references

Regulation (EC) No 1907/2006 (REACH), as amended
 Regulation (EC) No 1272/2008 (CLP), as amended
 Commission Regulation (EU) 2020/878
 Safety data sheets and technical information supplied for the components

Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 CLP: Classification, Labelling and Packaging
 DNEL: Derived No-Effect Level
 EWC: European Waste Catalogue
 IATA: International Air Transport Association
 ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air
 IMDG: International Maritime Dangerous Goods Code
 PBT: Persistent, Bioaccumulative and Toxic
 PNEC: Predicted No-Effect Concentration
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
 STOT: Specific Target Organ Toxicity
 SVHC: Substance of Very High Concern
 vPvB: Very Persistent and Very Bioaccumulative

Training advice

Personnel handling the product should be instructed in safe handling, storage, use of personal protective equipment and spill response.

Disclaimer

The information in this safety data sheet is based on our present knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements. It shall not be construed as guaranteeing any specific property of the product. The user is responsible for ensuring compliance with applicable legislation and for determining the suitability of the product for the intended use.