

Fome Flex PU Seal&Flex

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

1.1. Product identifier

Product Name Fome Flex PU Seal&Flex
Form This substance/ mixture contains nanoforms
Other means of identification
Pure substance/mixture Mixture

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

Recommended use Sealant
Uses advised against None known

1.3 Details of the supplier of the safety data sheet

Company Name
UAB TEGRA STATE
Savanorių ave. 178A, LT-03154 Vilnius, Lithuania
E-mail address info@tegra.lt
+370 5 266 11 67

1.4 Emergency telephone number

Ireland NPIC - National Poison Information Centre
Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)
Healthcare Professionals: +353 (01) 8092566 (24 hour service)
United Kingdom Bostik:
+44 (1785) 272650 (9am to 5pm Mon-Fri)
Europe
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

EU Specific Hazard Statements

EUH212 - Warning! Hazardous respirable dust may be formed when used. Do not breathe dust

EUH204 - Contains isocyanates. May produce an allergic reaction

EUH210 - Safety data sheet available on request

EUH208 - Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction

Special provisions concerning the labelling of certain mixtures

Reserved for industrial and professional use.

2.3. Other hazards

Causes mild skin irritation. Harmful to aquatic life.

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PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Endocrine Disruptor Information

This product does not contain any known or suspected

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	EC No (EU Index No).	CAS No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	REACH registration number
Diisononyl phthalate 5 - <10 %	249-079-5	28553-12-0	[I]	-	-	-	01-2119430798-28-XXXX
3-butyl-1-[4-((4-[(butylcarbamoyl)amino]phenyl)methyl)phenyl]urea 1 - <5 %	416-600-4	--	Aquatic Chronic 4 (H413)	-	-	-	01-0000016345-72-xxxx
Titanium dioxide 1 - <5 %	(022-006-00-2) 236-675-5	13463-67-7	[C]	-	-	-	01-2119489379-17-XXXX
Hydrocarbons, C12-C15, n-alkanes, cyclics, < 2% aromatics 1 - <2.5 %	920-107-4	RR-100255-7	Asp. Tox. 1 (H304) (EUH066)	-	-	-	01-2119453414-43-xxxx
N,N-dibenzylidene polyoxypropylene diamine (polymer) 1 - <2.5 %	-	136855-71-5	Skin Irrit. 2 (H315)	-	-	-	[7]
C.I. Pigment Black 26 0.1 - <0.5 %	269-056-3	68186-94-7	[B]	-	-	-	01-2119457599-19-XXXX
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate 0.1 - <0.5 %	945-730-9	--	Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	-	-	-	01-2119511174-52-xxxx
Aromatic Polyisocyanate 0.1 - <0.5 %	-	53317-61-6	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	-	-	-	[7]
Ethyl acetate 0.1 - <0.3 %	(607-022-00-5) 205-500-4	141-78-6	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	-	-	01-2119475103-46-XXXX

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Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0.01 - <0.1 %	915-687-0	1065336-91-5	Skin Sens. 1A (H317) Repr. 2 (H361f) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	1	1	01-2119491304-40-XXXX
Izoforono diizocianatas 0.01 - <0.1 %	(615-008-00-5) 223-861-6	4098-71-9	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Acute Tox. 1 (H330) Aquatic Chronic 2 (H411)	Resp. Sens. 1 :: C>=0.5% Skin Sens. 1 :: C>=0.5%	-	-	01-2119490408-31-XXXX
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane 0.01 - <0.1 %	924-669-1	192526-20-8	Skin Sens. 1A (H317)	-	-	-	01-2120768758-32-XXXX

Substances identified by a number starting "RR-" in the CAS-field are substances for which there is no CAS# used in EU and we use an internal numbering system to track within our SDS software

Full text of H- and EUH-phrases: see section 16

The substance does not require registration according to REACH - Notes

NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[B] - Substance with a Community workplace exposure limit

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

[I] - Restricted substance per REACH Annex XVII

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Diisononyl phthalate	249-079-5	28553-12-0	-	-	-	-	-
3-butyl-1-[4-((4-((butylcarbonyl)amino)phenyl)methyl)phenyl)]urea	416-600-4	--	-	-	-	-	-
Titanium dioxide	(022-006-00-2) 236-675-5	13463-67-7	-	-	-	-	-
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	920-107-4	RR-100255-7	-	-	-	-	-
C.I. Pigment Black 26	269-056-3	68186-94-7	-	-	-	-	-

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Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate	945-730-9	--	-	-	-	-	-
Ethyl acetate	(607-022-00-5) 205-500-4	141-78-6	-	-	-	14.4131	-
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl	915-687-0	1065336-91-5	-	-	-	-	-
sophorone diisocyanate	(615-008-00-5) 223-861-6	4098-71-9	-	-	0.031	-	-
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane	924-669-1	192526-20-8	-	-	-	-	-

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Notes

See section 16 for more information

Chemische Bezeichnung	Notes
Titanium dioxide - 13463-67-7	V,W,10
Isophorone diisocyanate - 098-71-9	2

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

Skin contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

Ingestion

Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

Symptoms Prolonged contact may cause redness and irritation.

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

Note to doctors No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

No information available.

Hazardous combustion products

Carbon oxides. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Hydrogen cyanide. Isocyanates. Hydrochloric Acid. Sulphur oxides.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Do not scatter spilled material with high pressure water streams.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Protect from moisture.

Recommended storage temperature

Keep at temperatures between 10 and 35 °C.

7.3. Specific end use(s)

Specific use(s)

Sealant.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Other information

Observe

SECTION 8: Exposure controls/personal

8.1. Control parameters

Exposure Limits

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

Chemical name	European Union	Ireland	United Kingdom
Limestone 1317-65-3	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Polyvinyl chloride 9002-86-2	-	TWA: 10 mg/m ³ TWA: 1 mg/m ³ STEL: 30 mg/m ³ STEL: 3 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Diisononyl phthalate 28553-12-0	-	TWA: 5 mg/m ³ STEL: 15 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
C.I. Pigment Black 26 68186-94-7	TWA: 0.05 mg/m ³ Manganese respirable fraction	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ STEL: 0.6 mg/m ³ STEL: 0.15 mg/m ³	TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ STEL: 0.6 mg/m ³ STEL: 0.15 mg/m ³
Ethyl acetate 141-78-6	TWA: 734 mg/m ³ TWA: 200 ppm STEL: 1468 mg/m ³ STEL: 400 ppm	TWA: 734 mg/m ³ TWA: 200 ppm STEL: 1468 mg/m ³ STEL: 400 ppm	TWA: 734 mg/m ³ TWA: 200 ppm STEL: 1468 mg/m ³ STEL: 400 ppm
Isophorone diisocyanate 4098-71-9	-	TWA: 0.005 mg/m ³ TWA: 0.02 mg/m ³ STEL: 0.015 mg/m ³ STEL: 0.07 mg/m ³ Sens +	TWA: 0.02 mg/m ³ STEL: 0.07 mg/m ³ Sen+

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Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Diisononyl phthalate (28553-12-0)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	51.72 mg/m ³	
worker Long term Systemic health effects	Dermal	366 mg/kg bw/d	
3-butyl-1-[4-((4-((butylcarbamoyl)amino)phenyl) methyl)phenyl]urea (--)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects	Inhalation	49.37 mg/m ³	
Long term Systemic health effects	Dermal	140 mg/kg bw/d	
Titanium dioxide (13463-67-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m ³	
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate (--)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	3.5 mg/m ³	
worker Short term Systemic health effects	Inhalation	28 mg/m ³	
worker Long term Systemic health effects	Dermal	0.5 mg/kg bw/d	
worker Short term Systemic health effects	Dermal	4 mg/kg bw/d	
Ethyl acetate (141-78-6)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor

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worker Long term Systemic health effects	Dermal	63 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	1468 mg/m ³	
worker Long term Local health effects	Inhalation	734 mg/m ³	
worker Short term Local health effects	Inhalation	1468 mg/m ³	
worker Long term Systemic health effects	Inhalation	734 mg/m ³	

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	1.27 mg/m ³	
worker Systemic health effects Long term	Dermal	1.8 mg/kg	

Isophorone diisocyanate (4098-71-9)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Short term Local health effects	Inhalation	0.0453 mg/m ³	
worker Long term Local health effects	Inhalation	0.0453 mg/m ³	

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	1.7 mg/m ³	
worker Long term Systemic health effects	Dermal	4.7 mg/kg bw/d	

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Derived No Effect Level (DNEL)			
3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea (--)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects	Inhalation	7.4 mg/m ³	
Long term Systemic health effects	Dermal	50 mg/kg bw/d	
Long term Systemic health effects	Oral	5 mg/kg bw/d	
Titanium dioxide (13463-67-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	700 mg/kg bw/d	
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate (--)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	0.875 mg/m ³	
Consumer Short term Systemic health effects	Inhalation	7 mg/m ³	
Consumer Long term Systemic health effects	Dermal	0.25 mg/kg bw/d	
Consumer Short term Systemic health effects	Dermal	2 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	0.25 mg/kg bw/d	
Consumer Short term Systemic health effects	Oral	2 mg/kg bw/d	
Ethyl acetate (141-78-6)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	4.5 mg/kg bw/d	

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Consumer Long term Systemic health effects	Dermal	37 mg/kg bw/d	
Consumer Short term Local health effects	Inhalation	734 mg/m ³	
Consumer Long term Systemic health effects	Inhalation	367 mg/m ³	
Consumer Short term Local health effects	Inhalation	734 mg/m ³	
Consumer Long term Systemic health effects	Inhalation	367 mg/m ³	

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate (1065336-91-5)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	0.31 mg/m ³	
Consumer Long term Systemic health effects	Dermal	0.9 mg/kg	
Consumer Long term Systemic health effects	Oral	0.18 mg/kg	

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	0.3 mg/m	
Consumer Long term Systemic health effects	Dermal	1.7 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	0.2 mg/kg bw/d	

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
3-butyl-1-[4-({ 4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea (--)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.1 mg/l
Marine water	0.01 mg/l
Sewage treatment plant	10 mg/l

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Freshwater sediment	76.36 mg/kg dry weight
Marine sediment	7.636 mg/kg dry weight
Soil	15.15 mg/kg dry weight
Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate (--)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.002 mg/l
Marine water	0 mg/l
Freshwater - intermittent	0.005 mg/l
Marine water	0.001 mg/l
Freshwater sediment	3.43 mg/kg dry weight
Marine sediment	0.343 mg/kg dry weight
Microorganisms in sewage treatment	No hazard identified
Soil	0.68 mg/kg dry weight
Ethyl acetate (141-78-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.24 mg/l
Marine water	0.024 mg/l
Freshwater sediment	1.15 mg/kg
Marine sediment	0.115 mg/kg
Soil	0.148 mg/kg
Microorganisms in sewage treatment	650 mg/l
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.0022 mg/l
Marine water	0.00022 mg/l
Freshwater - intermittent	0.009 mg/l
Freshwater sediment	1.05 mg/kg
Marine sediment	0.11 mg/kg
Soil	0.21 mg/kg
Sewage treatment plan	1 mg/l

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Isophorone diisocyanate (4098-71-9)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	60 µg/l
Marine water	6 µg/l
Freshwater - intermittent	40 µg/l
Freshwater sediment	218.9 mg/kg dry weight
Marine sediment	21.89 mg/kg dry weight
Soil	44.01 mg/kg dry weight
Microorganisms in sewage treatment	10 mg/l
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.1 mg/l
Marine water	0.01 mg/l
Sewage treatment plan	100 mg/l
Freshwater sediment	0.428 mg/kg dry weight
Marine sediment	0.043 mg/kg dry weight

8.2. Exposure controls**Engineering controls**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye/face protection**

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166

Hand protection

Nitrile rubber. Butyl rubber. Glove thickness > 0.4 mm. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. The breakthrough time for the mentioned glove material is in general greater than 60 min. Gloves must conform to standard EN 374

Skin and body protection

Suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Recommended filter type:

Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases and vapours filter conforming to EN 14387.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical**9.1. Information on basic physical and chemical properties**

Physical state

Solid

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Appearance	Paste	
Colour	Grey	
Odour	Characteristic.	
Odour threshold	No information available	
Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	Not applicable
Flammability	Not applicable for liquids .	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	> 61 °C	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	Not applicable.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	600000 mm ² /s	
Dynamic viscosity	No data available	
Water solubility	No data available.	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	1.29	
Bulk Density	No data available	
Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%)	No information available
VOC content	No data availabl

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity**10.1. Reactivity****Reactivity**

No information available.

10.2. Chemical stability**Stability**

Stable under normal conditions.

Explosion data

Fome Flex PU Seal&Flex**Sensitivity to mechanical impact**

None.

Sensitivity to static discharge

None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Product cures with moisture. Protect from moisture.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information****Inhalation**

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

Eye contact

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

Skin contact

Specific test data for the substance or mixture is not available. Causes mild skin irritation.

Ingestion

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

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**

Prolonged contact may cause redness and irritation. Acute toxicity

Numerical measures of toxicity**The following values are calculated based on chapter 3.1 of the GHS document****ATEmix (oral)** >5000 mg/kg**ATEmix (dermal)** 9,077.80 mg/kg**ATEmix (inhalation-gas)** >20000 ppm**ATEmix (inhalation-dust/mist)** >5 mg/l**ATEmix (inhalation-vapour)** >20 mg/l**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Diisononyl phthalate	>9750 mg/kg (Rattus)	>3160 mg/Kg (Oryctolagus cuniculus)	>4.4 mg/L (Rattus) 4 h
3-butyl-1-[4-({4-[(butylcarbamoyl)amino]phenyl} methyl)phenyl]urea	>2000 mg/Kg (Rattus) (OECD 401)	>2000 mg/Kg (Rattus) (OECD 402)	-
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 5000 mg/Kg	= 5.09 mg/L (Rattus) 4 h
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	LD50 >5000 mg/Kg (Rattus) (OECD 401)	LD50 >5000 mg/Kg (Oryctolagus cuniculus) (OECD 402)	LC50 >5000 mg/m3 (OECD 403)

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C.I. Pigment Black 26	>10000 mg/kg Rat	-	-
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate	>5000 mg/Kg (Rattus)	>2000 mg/Kg (Rattus) (OECD 402)	-
Aromatic Polyisocyanate	LD50 >2000 mg/Kg (Rattus)	-	LC50 >3.820 mg/L (Rattus) 4h dust/mist
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LD50 = 3230 mg/Kg (Rattus) (OECD 401)	LD50 >3170 mg/Kg (Rattus) (OECD 402)	-
Isophorone diisocyanate	=4814 mg/kg (Rattus)	1060 - 4780 mg/kg (Oryctolagus cuniculus)	=0.135 mg/L (Rattus) 4 h
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane	>2000 mg/Kg (Rattus) (OECD 423)	>2000 mg/Kg (Rattus) (OECD 402)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

Classification based on data available for ingredients. Causes mild skin irritation.

Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

Serious eye damage/eye irritation

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

Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Eye			Non-irritant

Respiratory or skin sensitisation

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

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Titanium dioxide (13463-67-7)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Not a skin sensitiser
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Mouse	Dermal	Not a skin sensitiser

Ethyl acetate (141-78-6)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	No sensitisation responses were observed

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.

11.2. Information on other hazards**11.2.1. Endocrine disrupting properties****Endocrine disrupting properties****11.2.2. Other information**

Other adverse effects No information available

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Diisononyl phthalate 28553-12-0	EC50: >500mg/L (72h, <i>Desmodesmus subspicatus</i>) EC50: >1.8mg/L (96h, <i>Pseudokirchneriella subcapitata</i>)	LC50 96 h > 100 mg/L (<i>Brachydanio rerio</i> semi-static)	-	EC50: >500mg/L (48h, <i>Daphnia magna</i>) EC50: >0.06mg/L (48h, <i>Daphnia magna</i>)		
3-butyl-1-[4-((butylcarbamoyl)amino)phenyl]methyl]phenyl]urea --	-	LC50 (96h) >120 mg/L <i>Danio rerio</i> (OECD 203)	-	EC50 (48h) >100 mg/L <i>Daphnia magna</i> (OECD 202)		
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (<i>Cyprinodon variegatus</i>) OECD 203	-	-	-		

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Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics RR-100255-7	ErL50 (72h) > 10000 mg/l (Skeletonema costatum -ISO 10253)	LL50 (96h) > 1028 mg/l (Scophthalmus maximus -OECD 203)	-	LL50 (48h) > 3193 mg/l (Acartia tonsa - ISO 14669)		
C.I. Pigment Black 26 68186-94-7	-	96H >100000 mg/l	-	-		
Ethyl acetate 141-78-6	EC50: =3300mg/L (48h, Desmodemus subspicatus)	LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	EC50: =560mg/L (48h, Daphnia magna)		
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 1065336-91-5	EC50 (72h): 1.68 mg/l (Desmodemus subspicatus) OECD 201	LC50 (96h): 0.9 mg/L (Brachydanio rerio) OECD 203	EC20 (3h) >= 100 mg/l OECD 209	-	1	1
Isophorone diisocyanate 4098-71-9	EC50: =118.7mg/L (72h, Desmodemus subspicatus)	LC50: =1.8mg/L (48h, Leuciscus idus)	-	EC50: =83.7mg/L (24h, Daphnia magna)		
Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane 192526-20-8	EC50 (72h) >100 mg/L Algae (Raphidocelis subcapitata) (OECD 201)	LC50 (96h) >100 mg/L Fish (Brachydanio rerio) (OECD 203)	-	EC50 (48h) >100 mg/L Daphnia magna (OECD 202)		

12.2. Persistence and degradability

No information available.

3-butyl-1-[4-((butylcarbamoyl)amino)phenyl]methylphenylurea (--)

Method	Exposure time	Value	Results
OECD Guideline 310	28 days	0.4%	Not readily biodegradable
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	11%	Not readily biodegradable

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate (--)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	75%	Readily biodegradable

Aromatic Polyisocyanate (53317-61-6)

Metodas	Poveikio trukmė	Vertė	Rezultatai
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)		biodegradation	34 % Not readily biodegradable

Isophorone diisocyanate (4098-71-9)

Method	Exposure time	Value	Results
EU C.4-D	28 days	0%	Not readily biodegradable

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Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane (192526-20-8)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	3.85%	Not readily biodegradable

12.3. Bioaccumulative potential**Bioaccumulation****Component Information**

Chemical name	Partition coefficient
Diisononyl phthalate	9.7
3-butyl-1-[4-((4-((butylcarbamoyl)amino)phenyl)methyl)phenyl)]urea	5.5
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate	4.5
Ethyl acetate	0.73
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	2.77

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Diisononyl phthalate	The substance is not PBT / vPvB PBT assessment does not apply
Titanium dioxide	The substance is not PBT / vPvB PBT assessment does not apply
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	The substance is not PBT / vPvB
C.I. Pigment Black 26	The substance is not PBT / vPvB PBT assessment does not apply
Ethyl acetate	The substance is not PBT / vPvB PBT assessment does not apply
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl	The substance is not PBT / vPvB
Isophorone diisocyanate	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

No information available.

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SECTION 13: Disposal consideration

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

European Waste Catalogue

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Other information

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	NP
14.6 Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

SECTION 15: Regulatory information

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

European Union

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$

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(Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Diisononyl phthalate	28553-12-0	52[a].

52 . Not to be used in toys or childcare articles above 0.1% which can be placed in the mouth by children.**Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations**15.2. Chemical safety assessment**

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No

Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

EUH066 - Repeated exposure may cause skin dryness or cracking

H225 - Highly flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

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

H412 - Harmful to aquatic life with long lasting effects

H413 - May cause long lasting harmful effects to aquatic life

Notes relating to the identification, classification and labelling of substances

Note V: If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied

Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung

Notes relating to the classification and labelling of mixtures

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Note 2 : The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicit	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

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EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
NIOSH (National Institute for Occupational Safety and Health)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set

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Revision date	28-Feb-2023
Revision note	SDS sections updated 2
Training Advice	No information available
Further information	No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

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