

Trade name: PLIXXOPOL RF 2100PJ**Product no.:** 425**Current version :** 2.1.0, issued: 27.05.2022**Replaced version:** 2.0.0, issued: 20.10.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

PLIXXOPOL RF 2100PJ**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Intermediate in the chemical industry (for the manufacture of binders or hardeners for coating materials or adhesives)

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**PLIXXENT Holding GmbH
Gasstraße 18
22761 Hamburg
Germany

Telephone no. +49 441 68099 190

e-mail productsafety@plixxent.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Flam. Liq. 2; H225

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02

Signal word

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.

Precautionary statement(s)

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

P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	cyclopentane			
	287-92-3 206-016-6 601-030-00-2 01-2119463053-47	Aquatic Chronic 3; H412 Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336	>= 5.00 - < 10.00	wt%
2	propylene carbonate			
	108-32-7 203-572-1 607-194-00-1 01-2119537232-48	Eye Irrit. 2; H319	< 5.00	wt%
3	cyclohexyldimethylamine			
	98-94-2 202-715-5 - 01-2119533030-60	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Chronic 3; H412 Flam. Liq. 3; H226 Skin Corr. 1B; H314 Eye Dam. 1; H318	< 2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
3	289 mg/kg bodyweight	380 mg/kg bodyweight	3 mg/l

3.3 Other information

Any substances in the candidate list (SVHC) in accordance with REACH regulation (EC) 1907/2006 that may be contained in the product are specified in section 15.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove to fresh air, keep patient warm and at rest. In case of persisting adverse effects consult a physician.

After skin contact

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Trade name: PLIXXOPOL RF 2100PJ**Product no.:** 425**Current version :** 2.1.0, issued: 27.05.2022**Replaced version:** 2.0.0, issued: 20.10.2021**Region:** GB

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide; Foam; Extinguishing powder; Fight larger fires with directed water spray.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixtureIn the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrogen oxides (NO_x); Hydrogen cyanide (HCN); Containers at risk from fire should be cooled with water and, if possible, removed from the danger area.**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Keep away from ignition sources. Refer to protective measures listed in sections 7 and 8.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

7.3 Specific end use(s)

No data available.

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	cyclopentane			287-92-3 206-016-6	
	dermal	Long term (chronic)	systemic	432	mg/kg/day
	inhalative	Long term (chronic)	systemic	3000	mg/m ³
2	propylene carbonate			108-32-7 203-572-1	
	dermal	Long term (chronic)	systemic	20	mg/kg/day
	dermal	Long term (chronic)	local	10	mg/cm ²
	inhalative	Long term (chronic)	systemic	70.56	mg/m ³
	inhalative	Long term (chronic)	local	20	mg/m ³
3	cyclohexyldimethylamine			98-94-2 202-715-5	
	dermal	Long term (chronic)	systemic	0.6	mg/kg/day
	dermal	Long term (chronic)	local		
	Comments: high hazard (no threshold derived)				
	dermal	Short term (acute)	local		
	Comments: high hazard (no threshold derived)				
	inhalative	Long term (chronic)	local	8.3	mg/m ³
	inhalative	Short term (acute)	local	8.3	mg/m ³
	inhalative	Long term (chronic)	systemic	0.53	

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	cyclopentane			287-92-3 206-016-6	
	oral	Long term (chronic)	systemic	214	mg/kg/day
	dermal	Long term (chronic)	systemic	214	mg/kg/day
	inhalative	Long term (chronic)	systemic	643	mg/m ³
2	propylene carbonate			108-32-7 203-572-1	
	oral	Long term (chronic)	systemic	10	mg/kg/day
	dermal	Long term (chronic)	systemic	10	mg/kg/day
	inhalative	Long term (chronic)	systemic	17.4	mg/m ³
	inhalative	Long term (chronic)	local	10	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	propylene carbonate		108-32-7 203-572-1	
	water	fresh water	0.9	mg/L
	water	marine water	0.09	mg/L
	water	Aqua intermittent	9	mg/L
	soil	-	0.81	mg/kg dry weight
	sewage treatment plant	-	7400	mg/L
2	cyclohexyldimethylamine		98-94-2 202-715-5	
	water	fresh water	3.5	µg/L
	water	marine water	0.35	µg/L
	water	Aqua intermittent	35	µg/L

Trade name: PLIXXOPOL RF 2100PJ**Product no.:** 425**Current version :** 2.1.0, issued: 27.05.2022**Replaced version:** 2.0.0, issued: 20.10.2021**Region:** GB

water	fresh water sediment	36.92	µg/kg dry weight
water	marine water sediment	3.69	µg/kg dry weight
soil	-	5.33	µg/kg dry weight
sewage treatment plant	-	20.60	mg/L

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Breathing apparatus: ABEK

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Check in any case suitability of protective glove for the specific workplace conditions (e.g. mechanical resistance, product compatibility, antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Replace immediately protective gloves if worn or damaged.

Appropriate Material

nitrile rubber

Material thickness

>=

0.35

mm

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
liquid	
yellowish	
Odour	
aromatic	
pH value	
Value	10
Boiling point / boiling range	
Value	68 °C
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	< -30 °C
Ignition temperature	
No data available	

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value	218	hPa	
Reference temperature	20	°C	
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	1.07	g/cm ³	
Reference temperature	21	°C	
Solubility in water			
Comments	partially miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	cyclopentane	287-92-3	206-016-6
log Pow		3	
Reference temperature		25	°C
Source	ECHA		
2	propylene carbonate	108-32-7	203-572-1
log Pow		-0.41	
Reference temperature		20	°C
Source	ECHA		
3	cyclohexyldimethylamine	98-94-2	202-715-5
log Pow		2.01	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
Kinematic viscosity			
Value	780	mPa*s	
Reference temperature	21	°C	
Type	dynamic		
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

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

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

None if stored, handled and transported properly.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	PLIXXOPOL RF 2100PJ
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	cyclopentane	287-92-3	206-016-6
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	propylene carbonate	108-32-7	203-572-1
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	cyclohexyldimethylamine	98-94-2	202-715-5
LD50		289	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	PLIXXOPOL RF 2100PJ
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
LD50	>=	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
LD50		380	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	PLIXXOPOL RF 2100PJ
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	cyclopentane	287-92-3	206-016-6
LC50	>	25.3	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	cyclohexyldimethylamine	98-94-2	202-715-5
LC50	1.7	- 5.5	mg/l
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irritating to eyes		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	cyclohexyldimethylamine	98-94-2	202-715-5
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Species	hepatocytes: Adult male F344 rats		
Method	OECD 482		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	cyclohexyldimethylamine	98-94-2	202-715-5
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium TA98, TA100, TA1535, TA1537		

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Route of exposure		oral	
NOAEL		10100	mg/kg bw/d
Species	mouse		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	cyclohexyldimethylamine	98-94-2	202-715-5
Route of exposure		oral	
NOAEL	>	1500	ppm
Duration of exposure		54	day(s)
Type of examination	Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test		
Species	rats (male/female)		
Method	OECD 422		
Source	ECHA		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
Route of exposure		dermal	
Species	mouse		
Method	OECD 451		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	cyclopentane	287-92-3	206-016-6
Route of exposure		inhalational	
NOAEC		30	mg/l
Duration of exposure		90	day(s)
Species	rats (male/female)		
Method	OECD 413		
Source	ECHA		
2	propylene carbonate	108-32-7	203-572-1
Route of exposure		oral	
NOAEL	>	5000	mg/kg bw/d
Species	rat		
Method	OECD 408		
Source	ECHA		
Route of exposure		inhalational	
NOAEC		100	mg/m ³
Species	rat		
Method	OECD 413		
Source	ECHA		
3	cyclohexyldimethylamine	98-94-2	202-715-5
Route of exposure		oral	
NOAEL		100	mg/kg bw/d
Duration of exposure		90	day(s)
Species	rats (male/female)		
Method	OECD 408		
Source	ECHA		
Route of exposure		inhalational	
NOEL		104	mg/m ³

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

Species	rats (male/female)
Source	ECHA

Aspiration hazard
No data available

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Cyprinus carpio		
Method	EU C.1		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
LC50		31.58	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38 412, Part 15		
Source	ECHA		

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
EC50		75	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
EC50	>	900	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
EC50		3.5	mg/l
Duration of exposure		72	h

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

Species	Pseudokirchneriella subcapitata
Method	OECD 201
Source	ECHA

Toxicity to algae (chronic)
No data available

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	propylene carbonate	108-32-7	203-572-1
EC50		25619	mg/l
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		
2	cyclohexyldimethylamine	98-94-2	202-715-5
EC50		206	mg/l
Duration of exposure		17	h
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	cyclopentane	287-92-3	206-016-6
Type	aerobic biodegradation		
Value		0	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	The product is not biodegradable.		
2	propylene carbonate	108-32-7	203-572-1
Type	aerobic biodegradation		
Value		83.5	%
Duration		29	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		
3	cyclohexyldimethylamine	98-94-2	202-715-5
Type	aerobic biodegradation		
Value		90	%
Duration		18	day(s)
Method	OECD 301 A		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	cyclopentane	287-92-3	206-016-6
log Pow		3	
Reference temperature		25	°C
Source	ECHA		
2	propylene carbonate	108-32-7	203-572-1
log Pow		-0.41	
Reference temperature		20	°C
Source	ECHA		
3	cyclohexyldimethylamine	98-94-2	202-715-5
log Pow		2.01	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		

Trade name: PLIXXOPOL RF 2100PJ**Product no.:** 425**Current version :** 2.1.0, issued: 27.05.2022**Replaced version:** 2.0.0, issued: 20.10.2021**Region:** GB**12.4 Mobility in soil**

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1866
Proper shipping name	RESIN SOLUTION
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

14.2 Transport IMDG

Class	3
Packing group	II
UN number	UN1866
Proper shipping name	RESIN SOLUTION
EmS	F-E, S-E
Label	3

14.3 Transport ICAO-TI / IATA

Class	3
Packing group	II
UN number	UN1866
Proper shipping name	Resin solution
Label	3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

Trade name: PLIXXOPOL RF 2100PJ

Product no.: 425

Current version : 2.1.0, issued: 27.05.2022

Replaced version: 2.0.0, issued: 20.10.2021

Region: GB

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	propylene carbonate	108-32-7	203-572-1	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: P5b

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information**Further information**

Safety precautions for handling freshly molded polyurethane parts:

Depending on the production parameters, any uncovered surfaces of freshly molded polyurethane parts using this raw material may contain traces of substances (e. g. starting and reaction products, catalysts, release agents) with hazardous characteristics. Skin contact with traces of these substances must be avoided. Therefore, during demolding or other handling of fresh molded parts, protective gloves tested according to DIN-EN 374 (e. g. nitrile rubber $\geq 0,35$ mm thick, breakthrough time ≥ 480 min, or according to recommendations from glove makers thinner gloves that need to be changed in compliance with breakthrough times more frequently) must be used. Depending on formulation and processing conditions, the requirements may be different from handling of the pure substances. Closed protective clothing is required for the protection of other areas of skin.

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

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Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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