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#### Safety Data Sheet in accordance with HSNO

Printing date 17.07.2018 Version number 6 Revision: 17.07.2018

### 1 Identification of the substance/mixture and of the company/undertaking

- · Product identifier Polyken 1027 Liquid Adhesive
  - Trade name: Polyken 1027 Liquid Adhesive
  - Relevant identified uses of the substance or mixture and uses advised against
    - · Sector of Use
      - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
    - · Product category PC1 Adhesives, sealants
    - Process category

PROC10 Roller application or brushing PROC11 Non industrial spraying

· Environmental release category

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

- Application of the substance / the mixture Coating adhesive
- · Uses advised against -
- Details of the supplier of the safety data sheet
  - · Manufacturer/Supplier: Seal For Life Industries Polyken ™
  - Contact details:

Seal For Life Industries LLC, 9335 Harris Corners Parkway, Suite 300, Charlotte NC, 28269 USA Tel. (+1) 858-633-9708, Email: sales@sealforlife.com

Seal For Life Industries LLC, 2320 Bowling Green Road, Franklin KY, 42134 USA Tel. (+1) 800-343-7875 , Fax. (+1) 800-328-4822, Email: franklin@sealforlife.com

Seal For Life Industries BVBA, Nijverheidsstraat 13, B-2260 Westerlo, Belgium Tel. +32 14 72 25 00, Fax. +32 14 72 25 70, Email: belgium@sealforlife.com

Seal For Life Industries - Stopaq B.V., Gasselterstraat 20, 9503JB Stadskanaal, the Netherlands Tel +31 599 696 170, Fax +31 599 696 177, Email: info@sealforlife.com

Seal For Life Industries Mexico S de R.L. de C.V., Calle 11 Norte 11002, Cd Ind Nueva Tijuana, Tijuana Baja California, Mexico, CP 22500

Tel USA: +1 858 633 9797, Tel Mx: +52 664 647 4397, Fax USA: +1 858 633 9740, Fax Mx: +52 664 607 9105 Email: mexico@sealforlife.com

Seal For Life India Private Ltd., Plot17, GIDC Savli, Vadodara, Gujarat, Baroda, India - 391775 Tel: +91 266 726 4721, Fax: +91 266 726 4724, Email: india@sealforlife.com

- Further information obtainable from: Occupational product safety department of Seal For Life Industries
- · Emergency telephone number:

CHEMTREC New Zealand: +(64)-98010034

For worldwide emergency assistance call CHEMTREC (24 hours): Within USA/Canada 1-800-424-9300, CCN22955; Outside USA/Canada +1 703-527-3887 (collect calls accepted)

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Trade name: Polyken 1027 Liquid Adhesive

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#### 2 Hazards identification

· Classification of the substance or mixture



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Repr. 2 H361 Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Route of exposure: Inhalation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Acute Tox. 5 H313 May be harmful in contact with skin.

Acute Tox. 5 H333 May be harmful if inhaled.
Aquatic Acute 2 H401 Toxic to aquatic life.

Label elements

• **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
• **Hazard pictograms** 









GHS02 GHS07

GHS07 GHS08

8 GHS09

· Signal word Danger

Hazard-determining components of labelling:

Distillates (petroleum), light distillate hydrotreating process, low-boiling methanol

toluene

ethylbenzene

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#### Trade name: Polyken 1027 Liquid Adhesive

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#### · Hazard statements

H225 Highly flammable liquid and vapour.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

#### · Precautionary statements

D404	
P101	IT MADICAL ADVICA IS DARDON DAVA DEDDIES CONTAINAE OF IADAL AT DADD
1 101	If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/

shower.

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

#### Other hazards

#### Results of PBT and vPvB assessment

· **PBT:** Not available. · **vPvB:** Not available.

# 3 Composition/information on ingredients

#### · Chemical characterisation: Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

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	(	. o. pago o,	
· Dangerous co	· Dangerous components:		
CAS: 68410-97-9	Distillates (petroleum), light distillate hydrotreating process, low-boiling  Flam. Liq. 2, H225; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336; Acute Tox. 5, H313; Aquatic Acute 2, H401	50-100%	
CAS: 108-88-3 EINECS: 203-625-9	toluene Flam. Liq. 2, H225; Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Acute Tox. 5, H333	10-25%	
CAS: 67-56-1 EINECS: 200-659-6	methanol	1-2.5%	
CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.1-0.5%	
CAS: 140-66-9 EINECS: 205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol  Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Acute Tox. 5, H303; Acute Tox. 5, H313	≤0.1%	

Additional information: For the wording of the listed hazard phrases refer to section 16.

# 4 First aid measures

#### Description of first aid measures

#### General information:

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

#### After inhalation:

Supply fresh air or oxygen; call for doctor.

Do not use mouth to mouth or mouth to nose resuscitation.

Use a respiratory bag or breathing device.

Take affected persons into fresh air and keep quiet.

In case of unconsciousness place patient stably in side position for transportation.

#### After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

#### · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### After swallowing:

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on his/her back should be turned onto his/her side.

Rinse out mouth and then drink plenty of water.

#### Information for doctor:

### · Most important symptoms and effects, both acute and delayed

Asthma attacks

Breathing difficulty

Allergic reactions

Dizziness

Dizziness

Unconsciousness

Disorientation

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Indication of any immediate medical attention and special treatment needed Medical supervision for at least 48 hours.

# 5 Firefighting measures

#### Extinguishing media

Suitable extinguishing agents:

Water haze

Foam

Fire-extinguishing powder

Carbon dioxide

· For safety reasons unsuitable extinguishing agents: Water with full jet

#### Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

# Advice for firefighters

#### · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### · Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Disposal of fire debris and contaminated fire fighting water in accordance with official regulations.

# 6 Accidental release measures

### · Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources.

Ensure adequate ventilation

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

### **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

#### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### 7 Handling and storage

#### · Handling:

#### Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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Prevent formation of aerosols.

#### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

# · Conditions for safe storage, including any incompatibilities

# Storage:

# Requirements to be met by storerooms and receptacles:

Prevent any seepage into the ground.

Store in a cool location.

#### Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from reducing agents.

#### · Further information about storage conditions:

Store receptacle in fume cupboard.

Store under lock and key and out of the reach of children.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· Specific end use(s) No further relevant information available.

# 8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

# · Control parameters

Ingredients with limit values that require monitoring at the workplace:				
108-88-3 toluene	108-88-3 toluene			
WES (New Zealand)	Long-term value: 188 mg/m³, 50 ppm skin			
IOELV (EU)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 192 mg/m³, 50 ppm Skin			
WEL (Great Britain)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 191 mg/m³, 50 ppm Sk			
67-56-1 methanol				
WES (New Zealand)	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm skin, bio			
IOELV (EU)	Long-term value: 260 mg/m³, 200 ppm Skin			
WEL (Great Britain)	Short-term value: 333 mg/m³, 250 ppm Long-term value: 266 mg/m³, 200 ppm Sk			
· DNELs				
108-88-3 toluene				
Oral DNEL - St	stemic effect, long term exposure	8.13 mg/kg bw/day (General population)		
Dermal DNEL - S	ystemic effect, long term exposure	226 mg/kg bw/day (General population)		

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		384 mg/kg bw/day (Workers)
Inhalative	DNEL - Systemic effect, acute/short term exposure	226 mg/m3 (General population)
		384 mg/m3 (Workers)
	DNEL - Local effect, acute/short term exposure	226 mg/m3 (General population)
		384 mg/m3 (Workers)
	DNEL - Systemic effect, long term exposure	56.5 mg/m3 (General population)
		192 mg/m3 (Workers)
	DNEL - Local effect, long term exposure	56.5 mg/m3 (General population)
	•	192 mg/m3 (Workers)
67-56-1 m		
Oral	DNEL - Systemic effect, acute/short term exposure	8 mg/kg bw/day (General population)
	DNEL - Systemic effect, long term exposure	8 mg/kg bw/day (General population)
Dermal	DNEL - Systemic effect, acute/short term exposure	8 mg/kg bw/day (General population)
		40 mg/kg bw/day (Workers)
	DNEL - Systemic effect, long term exposure	8 mg/kg bw/day (General population)
		40 mg/kg bw/day (Workers)
Inhalative	DNEL - Systemic effect, acute/short term exposure	50 mg/m3 (General population)
		260 mg/m3 (Workers)
	DNEL - Local effect, acute/short term exposure	50 mg/m3 (General population)
	,	260 mg/m3 (Workers)
	DNEL - Systemic effect, long term exposure	50 mg/m3 (General population)
	3,	260 mg/m3 (Workers)
	DNEL - Local effect, long term exposure	50 mg/m3 (General population)
		260 mg/m3 (Workers)
1314-13-2	zinc oxide	,
Oral	DNEL - Systemic effect, long term exposure	0.83 mg/kg bw/day (General population)
Dermal	DNEL - Systemic effect, long term exposure	83 mg/kg bw/day (General population)
		83 mg/kg bw/day (Workers)
Inhalative	DNEL - Systemic effect, long term exposure	5 mg/m3 (Workers)
	DNEL - Local effect, long term exposure	2.5 mg/m3 (General population)
	, 5	0.5 mg/m3 (Workers)
140-66-9 4	-(1,1,3,3-tetramethylbutyl)phenol	,
Oral	DNEL - Systemic effect, acute/short term exposure	0.5 mg/kg bw/day (General population)
	DNEL - Systemic effect, long term exposure	0.1 mg/kg bw/day (General population)
Dermal	DNEL - Systemic effect, acute/short term exposure	16.8 mg/kg bw/day (General population)
	·	33 mg/kg bw/day (Workers)
	DNEL - Systemic effect, long term exposure	5.6 mg/kg bw/day (General population)
	, , , ,	11.3 mg/kg bw/day (Workers)
Inhalative	DNEL - Systemic effect, acute/short term exposure	1.8 mg/m3 (General population)
	,	2.4 mg/m3 (Workers)
	DNEL - Systemic effect, long term exposure	0.6 mg/m3 (General population)
	systems should say to missing the missing to missing to missing to missing to missing to missing the missing to missing to missing the missing to missing the missing to missing to missing the missing	0.8 mg/m3 (Workers)
	PNECs	[g (g
	oluene	
1117-88-44		



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, , ,	
, ,	
2.89 mg/kg soil dw (Terrestrial organisms)	
•	
20.8 mg/l (Aquatic organisms)	
2.08 mg/l (Aquatic organisms)	
1,540 mg/l (Aquatic organisms)	
100 mg/l (Aquatic organisms)	
77 mg/kg sedim dw (Aquatic organisms)	
7.7 mg/kg sedim dw (Aquatic organisms)	
100 mg/kg soil dw (Terrestrial organisms)	
-	
0.0206 mg/l (Aquatic organisms)	
0.0061 mg/l (Aquatic organisms)	
0.1 mg/l (Aquatic organisms)	
117.8 mg/kg sedim dw (Aquatic organisms)	
56.5 mg/kg sedim dw (Aquatic organisms)	
35.6 mg/kg soil dw (Terrestrial organisms)	
2.36 mg/kg food (Predators)	
0.001 mg/l (Aquatic organisms)	
0.001 mg/l (Aquatic organisms)	
0.1 mg/l (Aquatic organisms)	
1	
	2.08 mg/l (Aquatic organisms) 1,540 mg/l (Aquatic organisms) 100 mg/l (Aquatic organisms) 77 mg/kg sedim dw (Aquatic organisms) 7.7 mg/kg sedim dw (Aquatic organisms) 100 mg/kg soil dw (Terrestrial organisms) 0.0206 mg/l (Aquatic organisms) 0.1 mg/l (Aquatic organisms) 0.1 mg/l (Aquatic organisms) 117.8 mg/kg sedim dw (Aquatic organisms) 56.5 mg/kg sedim dw (Aquatic organisms) 35.6 mg/kg soil dw (Terrestrial organisms) 2.36 mg/kg food (Predators) 0.001 mg/l (Aquatic organisms) 0.001 mg/l (Aquatic organisms)

<sup>·</sup> Additional information: The lists valid during the making were used as basis.

#### · Exposure controls

### Personal protective equipment:

# General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not inhale dust / smoke / mist.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

# Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

#### Material of gloves

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

# Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

# 9 Physical and chemical properties

Information on basic physical and chemical properties General Information		
Appearance:		
Form:	Fluid	
· Colour:	Black	
Odour:	Petroleum-like	
Odour threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition		
Melting point/freezing point:	Undetermined.	
Initial boiling point and boiling ra	ange: 110-111 °C	
· Flash point:	4 °C	
· Flammability (solid, gas):	Not applicable.	
· Ignition temperature:	>250 °C	
Decomposition temperature:	Not determined.	
· Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.	
Explosion limits:		
·Lower:	1.2 Vol %	
· Upper:	7 Vol %	
· Vapour pressure at 20 °C:	29 hPa	

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Density at 20 °C:
Relative density
Vapour density
Evaporation rate

0.83 g/cm³
Not determined.
Not determined.

· Solubility in / Miscibility with

• water: Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic: Not determined.Kinematic: Not determined.

Solvent content:

• Organic solvents: 69.9 % • VOC (EC) 69.90 %

• Other information No further relevant information available.

# \*10 Stability and reactivity

- · Reactivity No further relevant information available.
  - **Chemical stability** 
    - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions

Reacts with acids, alkalis and oxidising agents.

Reacts with reducing agents.

- · Conditions to avoid No further relevant information available.
- Incompatible materials:

Reacts with strong acids.

Reacts with oxidising agents.

Hazardous decomposition products:

Flammable gases/vapours

Poisonous gases/vapours

Carbon monoxide and carbon dioxide

#### 11 Toxicological information

#### · Information on toxicological effects

· Acute toxicity

	· LD/LC50 values relevant for classification:		
ĺ	ATE (Acute Toxicity Estimates)		
ĺ	Dermal	LD50	>3,457 mg/kg (rat)
	Inhalative	LC50/4h	122 mg/l

68410-97-9 Distillates (petroleum), light distillate hydrotreating process, low-boiling			
Oral	LD50	>5,000 mg/kg (rat)	
Dermal	LD50	>2,000 mg/kg (rat)	
Inhalative	LC50	2.18 mg/l (air) (rat)	

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108-88-3 t	108-88-3 toluene			
Oral	LD50	>5,000 mg/kg (rat)		
Dermal	LD50	>5,000 mg/kg (rabbit)		
Inhalative	LC50/4h	28.1 mg/l (rat) (OECD 403)		
67-56-1 m	67-56-1 methanol			
Oral	LD50	5,628 mg/kg (rat)		
Dermal	LD50	15,800 mg/kg (rabbit)		
Inhalative	LC50/4h	3 mg/l (ATE)		
1314-13-2	1314-13-2 zinc oxide			
Oral	LD50	>5,000 mg/kg (rat)		
140-66-9 4	140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol			
Oral	LD50	4,040 mg/kg (rat) (OECD 401)		
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)		

Primary irritant effect:

Skin corrosion/irritation Irritant to skin and mucous membranes.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Repr. 2

# 12 Ecological information

#### ·Toxicity

· Aquati	· Aquatic toxicity:		
68410-97-9	Distillates (petroleum), light distillate hydrotreating process, low-boiling		
NOELR	0.5 mg/l (Algae - Pseudokirchnerella subcapitata)		
LL50/96h	8.2 mg/l (Fish - Pimephales promelas)		
EL50/48h	4.5 mg/l (Daphnia magna)		
108-88-3 to	luene		
LC50/96h	5.5 mg/l (Fish - Oncorhynchus kisutch) (Publ: Transactions A. Fish. Soc. 110, 430-43)		
LC50/48h	3.78 mg/l (Ceriodaphnia dubia) (US EPA 600/4-91-003)		
1314-13-2 2	zinc oxide		
LC50	0.169 mg/l (Fish - Oncorhynchus mykiss)		
	0.78 mg/l (Fish - Pimephales promelas)		
LC50/48h	0.5 mg/l (Ceriodaphnia dubia)		
	1.22 mg/l (Daphnia magna)		
NOEC/72h	0.024 mg/l (Algae - Pseudokirchnerella subcapitata)		
140-66-9 4-	140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol		
LC50/96h	0.26 mg/l (Fish - Leuciscus idus) (OECD 203)		
	0.0196 mg/l (Gammarus pulex) (EPA OPPTS 850.1020)		
EC50/96h	1.9 mg/l (Algae - Pseudokirchnerella subcapitata) (EPA OPPTS 850.1020)		

Persistence and degradability No further relevant information available.

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<sup>·</sup> Behaviour in environmental systems:

<sup>·</sup> Bioaccumulative potential No further relevant information available.



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· Mobility in soil No further relevant information available.

#### Ecotoxical effects:

Remark: Toxic for fish

#### Additional ecological information:

General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

#### · Results of PBT and vPvB assessment

- · PBT: Not available.
- · vPvB: Not available.
- · Other adverse effects No further relevant information available.

# <sup>\*</sup>13 Disposal considerations

#### · Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

# · Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

# 14 Transport information

· UN-Number · ADR, IMDG, IATA	UN1133
UN proper shipping name	
ADR	1133 ADHESIVES, MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS
· IMDG	ADHESIVES (Distillates (petroleum), light distillate hydrotreating process, low-boiling, zinc oxide), MARINE POLLUTANT
·IATA	ADHESIVES

#### · Transport hazard class(es)

· ADR, IMDG



· Class 3 Flammable liquids.

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Trade name: Polyken 1027 Liquid Adhesive

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· Label

· IATA



3 Flammable liquids. · Class

· Label

· Packing group

ADR, IMDG, IATA Ш

Environmental hazards: Product contains environmentally hazardous substances:

zinc oxide, Distillates (petroleum), light distillate

hydrotreating process, low-boiling Symbol (fish and tree) Marine pollutant:

Special marking (ADR): Symbol (fish and tree)

· Special precautions for user Warning: Flammable liquids.

Danger code (Kemler): 33 **EMS Number:** F-E,S-D Stowage Category

Transport in bulk according to Annex II of Marpol

and the IBC Code Not applicable.

· Transport/Additional information:

Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· Transport category 2 Tunnel restriction code D/E

·IMDG

· Limited quantities (LQ) 5L

**Excepted quantities (EQ)** Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

**UN "Model Regulation":** UN 1133 ADHESIVES, 3, II, MARINE POLLUTANT/

**ENVIRONMENTALLY HAZARDOUS** 

### 15 Regulatory information

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

**New Zealand Inventory of Chemicals** 

All ingredients are listed.

· GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS). (Contd. on page 14)



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#### Hazard pictograms





# · Signal word Danger

#### Hazard-determining components of labelling:

Distillates (petroleum), light distillate hydrotreating process, low-boiling methanol

toluene

ethylbenzene

#### Hazard statements

H225 Highly flammable liquid and vapour.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

#### · Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/

shower.

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

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P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
  - Other regulations, limitations and prohibitive regulations
    - Substances of very high concern (SVHC) according to REACH, Article 57 None of the ingredients is listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H303 May be harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H333 May be harmful if inhaled.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

H370 Causes damage to organs.

H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

H400 Very toxic to aquatic life.

H401 Toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Department issuing SDS: Occupational product safety department of Seal For Life Industries

### Contact:

Seal For Life Industries

Gasselterstraat 20, 9503JB Stadskanaal, the Netherlands

Tel: +31 599 696 170; Fax. +31 599 696 177; Email: info@sealforlife.com

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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#### Trade name: Polyken 1027 Liquid Adhesive

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CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids - Category 2 Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 5: Acute toxicity – Category 5
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Repr. 2: Reproductive toxicity – Category 2

STOT SE 1: Specific target organ toxicity (single exposure) - Category 1 STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard - Category 2
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

- NZ —

<sup>\*</sup> Data compared to the previous version altered.