

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PURL SP-32 PART B

Manufacturer or supplier's details

Company : Liquimix (Australia) Pty Ltd

Address
24 Rosa Place Richlands
4077 QLD Australia

Telephone : + 617 3277 6655

E-mail address : admin@liquimix.com

Emergency telephone number : Australia: 07 3277 6655

Recommended use of the chemical and restrictions on use

Recommended use : Component of a Polyurethane System.

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Serious eye damage/eye irritation : Category 2A

Skin sensitisation : Category 1

Reproductive toxicity : Category 1B

Acute aquatic toxicity : Category 3

Acute aquatic toxicity : Category 3

Chronic aquatic toxicity : Category 2

GHS label elementsHazard pictograms : 

Signal word : Danger

SAFETY DATA SHEET

PURL SP-32 PART B

Version 2.3 Revision Date: 22.05.2018 SDS Number: 400001011131 Date of last issue: 15.02.2018
Date of first issue: 23.11.2015

- Hazard statements : H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H360 May damage fertility or the unborn child.
H402 Harmful to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P281 Use personal protective equipment as required.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Polyether polyol	25084-89-3	>= 30 - < 60
triethyl phosphate	78-40-0	>= 10 - < 30
bis(2-dimethylaminoethyl)(methyl)amine	3030-47-5	< 10
dibutyltin dilaurate	77-58-7	< 10

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

SECTION 4. FIRST AID MEASURES

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

- Hazardous combustion products : Carbon oxides
Nitrogen oxides (NO_x)
Formaldehyde
Halogenated compounds
- Specific extinguishing methods : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Hazchem Code : •3Z

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Not applicable for product as supplied.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

application area.

- Hygiene measures : General industrial hygiene practice.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
Refer to Australian/New Zealand Standard AS/NZS 1715 and AS/NZS 1716 for guidance on selection and use of respiratory devices.
- Hand protection
Remarks : Refer to Australian/New Zealand Standard AS/NZS 2161.1: 2000 for guidance on selection and use of protective gloves.
- Eye protection : Safety glasses
Refer to Australian/New Zealand Standard AS/NZS 1337:1992 for guidance on selection and use of protective eyewear.
- Skin and body protection : Protective suit

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : yellow
- Odour : No data is available on the product itself.
- Odour Threshold : No data is available on the product itself.
- pH : No data is available on the product itself.
- Freezing point : No data is available on the product itself.
- Melting point : No data is available on the product itself.
- Boiling point : No data is available on the product itself.
- Flash point : > 100 °C
Method: closed cup

SAFETY DATA SHEET

PURL SP-32 PART B

Version 2.3	Revision Date: 22.05.2018	SDS Number: 400001011131	Date of last issue: 15.02.2018 Date of first issue: 23.11.2015
----------------	------------------------------	-----------------------------	---

Evaporation rate	:	No data is available on the product itself.
Flammability (solid, gas)	:	No data is available on the product itself.
Flammability (liquids)	:	No data is available on the product itself.
Upper explosion limit / Upper flammability limit	:	No data is available on the product itself.
Lower explosion limit / Lower flammability limit	:	No data is available on the product itself.
Vapour pressure	:	No data is available on the product itself.
Relative vapour density	:	No data is available on the product itself.
Relative density	:	1.17 (20 °C)
Density	:	No data is available on the product itself.
Solubility(ies)		
Water solubility	:	No data is available on the product itself.
Solubility in other solvents	:	No data is available on the product itself.
Partition coefficient: n-octanol/water	:	No data is available on the product itself.
Auto-ignition temperature	:	No data is available on the product itself.
Thermal decomposition	:	No data is available on the product itself.
Self-Accelerating decomposition temperature (SADT)	:	No data is available on the product itself.
Viscosity		
Viscosity, dynamic	:	360 mPa.s (20 °C)
Explosive properties	:	No data is available on the product itself.
Oxidizing properties	:	No data is available on the product itself.
Particle size	:	No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	No data available
Hazardous decomposition	:	carbon dioxide

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

products	carbon monoxide Nitrogen oxides formaldehyde Halogenated compounds
----------	---

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes : No data is available on the product itself.

Acute toxicity

Acute oral toxicity - Product : Acute toxicity estimate : > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity - Product : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity - Product : Acute toxicity estimate : > 2,000 mg/kg
Method: Calculation method

Acute toxicity (other routes of administration) : No data available

Skin corrosion/irritation

Components:

Polyether polyol:
Species: Rabbit
Assessment: No skin irritation
Method: OECD Test Guideline 404
Result: Normally reversible injuries

triethyl phosphate:
Species: Rabbit
Assessment: No skin irritation
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes

bis(2-dimethylaminoethyl)(methyl)amine:
Species: Rabbit
Method: OECD Test Guideline 404
Result: Corrosive after 3 minutes to 1 hour of exposure

dibutyltin dilaurate:
Species: Rat
Method: OECD Test Guideline 402
Result: Causes burns.

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

Serious eye damage/eye irritation

Components:

Polyether polyol:

Species: Rabbit

Result: Normally reversible injuries

Assessment: No eye irritation

Method: OECD Test Guideline 405

triethyl phosphate:

Species: Rabbit

Result: Eye irritation

Method: OECD Test Guideline 405

GLP: yes

bis(2-dimethylaminoethyl)(methyl)amine:

Species: Rabbit

Result: Irreversible effects on the eye

Method: OECD Test Guideline 405

dibutyltin dilaurate:

Species: Rabbit

Result: Severe eye irritation

Assessment: Severe eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

Polyether polyol:

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: May cause sensitisation by skin contact.

triethyl phosphate:

Exposure routes: Skin

Species: Mouse

Method: OECD Test Guideline 429

Result: Does not cause skin sensitisation.

bis(2-dimethylaminoethyl)(methyl)amine:

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

dibutyltin dilaurate:

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: May cause sensitisation by skin contact.

Assessment:

No data available

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

Chronic toxicity

Germ cell mutagenicity

Components:

Polyether polyol:

Genotoxicity in vitro

: Concentration: 50 - 5000 ug/plate
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Concentration: 150 - 2100 µg/L
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative

triethyl phosphate:
Genotoxicity in vitro

: Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Method: OECD Test Guideline 482
Result: negative

bis(2-dimethylaminoethyl)(methyl)amine:

Genotoxicity in vitro

: Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Metabolic activation: with and without metabolic activation
Method: Directive 67/548/EEC, Annex V, B.10.
Result: negative

dibutyltin dilaurate:

Genotoxicity in vitro

: Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: positive

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Components:

triethyl phosphate:

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

Genotoxicity in vivo : Application Route: Intraperitoneal injection
Method: OECD Test Guideline 478
Result: negative

dibutyltin dilaurate:
Genotoxicity in vivo : Application Route: Oral
Dose: 2 - 50 mg/kg
Method: OECD Test Guideline 474
Result: positive

Components:

dibutyltin dilaurate:
Germ cell mutagenicity-
Assessment : Positive result(s) from in vivo non-mammalian somatic cell
mutagenicity tests, supported by positive results from in vitro
mutagenicity assays.

Germ cell mutagenicity-
Assessment : No data available

Carcinogenicity

No data available

Carcinogenicity -
Assessment : No data available

Reproductive toxicity

Components:

Polyether polyol:
Effects on fertility : Species: Rat, male and female
Application Route: Oral
Target Organs: Liver, Thyroid
Method: OECD Test Guideline 421
Result: negative

bis(2-dimethylaminoethyl)(methyl)amine:
Species: Rat
Application Route: Oral
Fertility: No observed adverse effect level: > 300 mg/kg body
weight
Early Embryonic Development: No observed adverse effect
level: 100 mg/kg body weight
Method: OECD Test Guideline 422

dibutyltin dilaurate:
Species: Rat, male and female
Application Route: Oral
Method: OECD Test Guideline 421
Result: negative

Components:

triethyl phosphate:
Effects on foetal : Species: Rat

SAFETY DATA SHEET

PURL SP-32 PART B

Version 2.3	Revision Date: 22.05.2018	SDS Number: 400001011131	Date of last issue: 15.02.2018 Date of first issue: 23.11.2015
----------------	------------------------------	-----------------------------	---

development
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level:
125 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects

bis(2-dimethylaminoethyl)(methyl)amine:
Species: Rat
Application Route: Oral
Embryo-foetal toxicity: No observed adverse effect level: 100
mg/kg body weight
Method: OECD Test Guideline 422

dibutyltin dilaurate:
Species: Rat
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level: 1
mg/kg body weight
Method: OECD Test Guideline 414
Result: Teratogenic effects

Components:

dibutyltin dilaurate:
Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

STOT - single exposure

Components:

dibutyltin dilaurate:
Assessment: Causes damage to organs.

STOT - repeated exposure

Components:

dibutyltin dilaurate:
Assessment: Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

Polyether polyol:
Species: Rat, male and female
NOAEL: 40 mg/kg
Application Route: Ingestion
Exposure time: 4 Weeks
Number of exposures: 7 d
Method: Subacute toxicity

triethyl phosphate:
Species: Rat, male and female
NOEC: 1000 mg/kg, 366 mg/m³
Application Route: Ingestion

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

Test atmosphere: dust/mist
Exposure time: 4 Weeks
Number of exposures: 7 d
Method: Subacute toxicity

bis(2-dimethylaminoethyl)(methyl)amine:
Species: Rat, male and female
LOEC: 3 ppm
Application Route: Inhalation
Test atmosphere: vapour
Exposure time: 14 Days
Number of exposures: 6 h
Method: OECD Test Guideline 412

Species: Rat, male and female
NOAEL: 30 mg/kg
Application Route: Ingestion
Exposure time: 30 Days
Number of exposures: 7 d
Method: Subacute toxicity

dibutyltin dilaurate:
Species: Rat, male and female
NOAEL: 0.3 - 0.4 mg/kg/d
Application Route: Ingestion
Method: Subchronic toxicity

Species: Rat, male and female
NOAEL: 40 ppm
Application Route: Ingestion
Exposure time: 2,160 h
Method: Subchronic toxicity

Repeated dose toxicity - : No data available
Assessment

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Polyether polyol:

Toxicity to fish : LC50: \geq 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

triethyl phosphate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): $>$ 100 mg/l
Exposure time: 96 h
Test Type: static test
Test substance: Fresh water

bis(2-dimethylaminoethyl)(methyl)amine:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 157 mg/l
Exposure time: 96 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 203

dibutyltin dilaurate:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 3 mg/l
Exposure time: 96 h

Components:

Polyether polyol:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): $>$ 100 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202
Remarks: Toxic to aquatic organisms.

triethyl phosphate:

Toxicity to daphnia and other : LC50: $>$ 100 mg/l

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

aquatic invertebrates
Exposure time: 96 h
Test Type: static test
Test substance: Fresh water

(Daphnia magna (Water flea)):

bis(2-dimethylaminoethyl)(methyl)amine:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 54.9 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.2.

dibutyltin dilaurate:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202

Components:

Polyether polyol:

Toxicity to algae : EbC50 (Selenastrum capricornutum (green algae)): 46 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 201

triethyl phosphate:

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 901 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water

bis(2-dimethylaminoethyl)(methyl)amine:

Toxicity to algae : ErC50: 78.3 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.3.

dibutyltin dilaurate:

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 1 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 201

Components:

dibutyltin dilaurate:

M-Factor (Acute aquatic toxicity) : 1
Toxicity to fish (Chronic toxicity) : No data available

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

Components:

Polyether polyol:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.32 mg/l
Exposure time: 21 d
Test substance: Fresh water
Method: OECD Test Guideline 211

triethyl phosphate:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 31.6 mg/l
Exposure time: 21 d
Test substance: Fresh water
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : No data available

Components:

Polyether polyol:

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l
Exposure time: 3 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 209

triethyl phosphate:

Toxicity to microorganisms : (Pseudomonas putida): 2,985 mg/l
Exposure time: 0.5 h
Test Type: static test
Test substance: Fresh water

dibutyltin dilaurate:

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment
Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to : No data available

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

the environment

Persistence and degradability

Components:

Polyether polyol:

Biodegradability : Inoculum: activated sludge
Concentration: 100 mg/l
Result: Not readily biodegradable.
Biodegradation: 22 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Inoculum: activated sludge
Concentration: 250 mg/l
Result: Inherently biodegradable.
Biodegradation: 84 %
Exposure time: 21 d
Method: OECD Test Guideline 302B

triethyl phosphate:

Biodegradability : Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301C

Inoculum: activated sludge
Result: Inherently biodegradable.
Biodegradation: 98 %
Exposure time: 28 d
Method: OECD Test Guideline 302B

bis(2-dimethylaminoethyl)(methyl)amine:

Biodegradability : Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: < 10 %
Exposure time: 28 d
Method: OECD Test Guideline 301E

dibutyltin dilaurate:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: < 60 %
Exposure time: 28 d

Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 23 %
Exposure time: 39 d
Method: OECD Test Guideline 301F

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand : No data available

SAFETY DATA SHEET

PURL SP-32 PART B

Version 2.3	Revision Date: 22.05.2018	SDS Number: 400001011131	Date of last issue: 15.02.2018 Date of first issue: 23.11.2015
----------------	------------------------------	-----------------------------	---

(COD)

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC) : No data available

Physico-chemical removability : No data available

Components:

triethyl phosphate:
Stability in water : Degradation half life(DT50): 5.5 yr (25 °C) pH: 7
Remarks: Fresh water

Photodegradation : No data available

Impact on Sewage Treatment : No data available

Bioaccumulative potential

Components:

Polyether polyol:
Bioaccumulation : Bioconcentration factor (BCF): 29.76
Remarks: Does not bioaccumulate.

triethyl phosphate:
Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 0.5 - 0.8
Exposure time: 42 d
Test substance: Fresh water
Method: semi-static test

bis(2-dimethylaminoethyl)(methyl)amine:
Bioaccumulation : Bioconcentration factor (BCF): 3.16

dibutyltin dilaurate:
Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 30.9 - 812.8
Exposure time: 7 d
Test substance: Fresh water
Method: flow-through test

Components:

Polyether polyol:
Partition coefficient: n-octanol/water : log Pow: 3.13

triethyl phosphate:
Partition coefficient: n- : log Pow: 1.11

SAFETY DATA SHEET

PURL SP-32 PART B

Version 2.3	Revision Date: 22.05.2018	SDS Number: 400001011131	Date of last issue: 15.02.2018 Date of first issue: 23.11.2015
----------------	------------------------------	-----------------------------	---

octanol/water Method: Partition coefficient

bis(2-dimethylaminoethyl)(methyl)amine:
Partition coefficient: n- : log Pow: -2.1 (25 °C)
octanol/water pH: 7.5
Method: OECD Test Guideline 107

dibutyltin dilaurate:
Partition coefficient: n- : log Pow: 4.44 (20.8 °C)
octanol/water pH: 6.1 - 6.3
Method: OECD Test Guideline 107

Mobility in soil

Mobility : No data available

Components:

Polyether polyol:
Distribution among : Koc: 14430
environmental compartments
bis(2-dimethylaminoethyl)(methyl)amine:
Distribution among : Koc: 36.53
environmental compartments
Stability in soil : No data available

Other adverse effects

Environmental fate and : No data available
pathways

Results of PBT and vPvB : No data available
assessment

Endocrine disrupting : No data available
potential

Adsorbed organic bound : No data available
halogens (AOX)

Hazardous to the ozone layer

Ozone-Depletion Potential Not applicable

Additional ecological : No data available
information - Product

Global warming potential : No data available
(GWP)

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA

UN/ID No.	: UN 3082
Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (POLYETHER POLYOL, DIBUTYLTINDILAUATE)
Class	: 9
Packing group	: III
Labels	: Miscellaneous
Packing instruction (cargo aircraft)	: 964
Packing instruction (passenger aircraft)	: 964
Environmentally hazardous	: yes

IMDG

UN number	: UN 3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYETHER POLYOL, DIBUTYLTINDILAUATE)
Class	: 9
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
Marine pollutant	: yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG

UN number	: UN 3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYETHER POLYOL, DIBUTYLTINDILAUATE)
Class	: 9
Packing group	: III
Labels	: 9
Hazchem Code	: •3Z

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons : Schedule 6

Australia Work Health and Safety Regulations - Schedule 10 Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. : Not listed

Other international regulations

The components of this product are reported in the following inventories:

CH INV : The formulation contains substances listed on the Swiss Inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Revision Date : 22.05.2018
Date format : dd.mm.yyyy

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

SAFETY DATA SHEET

PURL SP-32 PART B

Version	Revision Date:	SDS Number:	Date of last issue: 15.02.2018
2.3	22.05.2018	400001011131	Date of first issue: 23.11.2015
