

**PURL-SJ40 PART B**

Version 1.0      Revision Date: 07.03.2019      SDS Number: 400000008280      Date of last issue: -  
Date of first issue: 07.03.2019

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : PURL-SJ40 PART B

**Manufacturer or supplier's details**

Company : LiquiMix Pty Ltd

Address : ABN 32 062 887 585  
24 Rosa Place  
Richlands  
Queensland 4077

Telephone : + 617 3277 6655

E-mail address : admin@liquimix.com

Emergency telephone number : Australia: 1800 786 152 (ALL HOURS)  
International: +65 6336 6011 (ALL HOURS)

**Recommended use of the chemical and restrictions on use**

Recommended use : Component of a Polyurethane System.

Restrictions on use : For industrial use only.

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**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

**GHS label elements**

Hazard pictograms :



Signal word : Danger

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

Hazard statements : H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
 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.  
**Response:**  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
**Storage:**  
 Not available  
**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)
triethyl phosphate	78-40-0	>= 10 - < 30
Polyether polyol	25084-89-3	>= 1.6 - < 10
benzyltrimethylamine	103-83-3	>= 3 - < 5
potassium 2-ethylhexanoate	3164-85-0	< 1

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.  
 Treat symptomatically.  
 Get medical attention if symptoms occur.

If inhaled : If inhaled, remove to fresh air.  
 Get medical attention if symptoms occur.

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NOx)  
Formaldehyde
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and : Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.

**PURL-SJ40 PART B**

Version 1.0	Revision Date: 07.03.2019	SDS Number: 400000008280	Date of last issue: - Date of first issue: 07.03.2019
----------------	------------------------------	-----------------------------	--

emergency procedures

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
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 : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Keep in properly labelled containers.

Materials to avoid : For incompatible materials please refer to Section 10 of this SDS.

Further information on storage stability : Stable under normal conditions.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates

**PURL-SJ40 PART B**

Version 1.0	Revision Date: 07.03.2019	SDS Number: 400000008280	Date of last issue: - Date of first issue: 07.03.2019
----------------	------------------------------	-----------------------------	--

that exposures are within recommended exposure guidelines  
Refer to Australian/New Zealand Standard AS/NZS 1715 and AS/NZS 1716 for guidance on selection and use of respiratory devices.

Filter type	: Organic vapour type
Hand protection Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Refer to Australian/New Zealand Standard AS/NZS 2161.1: 2000 for guidance on selection and use of protective gloves.
Eye protection	: Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems. Refer to Australian/New Zealand Standard AS/NZS 1337:1992 for guidance on selection and use of protective eyewear.
Skin and body protection	: Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Colour	: colourless, Clear
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
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.

**PURL-SJ40 PART B**

Version 1.0	Revision Date: 07.03.2019	SDS Number: 400000008280	Date of last issue: - Date of first issue: 07.03.2019
----------------	------------------------------	-----------------------------	--

Vapour pressure	:	No data is available on the product itself.
Relative vapour density	:	No data is available on the product itself.
Relative density	:	No data is available on the product itself.
Density	:	1.1 g/cm <sup>3</sup> (21 °C)
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	:	204.8 mPa.s ( 21 °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 dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No hazards to be specially mentioned.
Conditions to avoid	:	None known.
Incompatible materials	:	None known.
Hazardous decomposition products	:	carbon monoxide carbon dioxide Nitrogen oxides formaldehyde

**SECTION 11. TOXICOLOGICAL INFORMATION**

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

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

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:**

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

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

benzyl dimethylamine:  
Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Causes burns.

potassium 2-ethylhexanoate:  
Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation

**Serious eye damage/eye irritation****Components:**

triethyl phosphate:  
Species: Rabbit  
Result: Eye irritation  
Method: OECD Test Guideline 405

Polyether polyol:  
Species: Rabbit  
Result: Normally reversible injuries  
Assessment: No eye irritation  
Method: OECD Test Guideline 405

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

benzyl dimethylamine:  
Species: Rabbit  
Result: Severe eye irritation  
Assessment: Severe eye irritation

potassium 2-ethylhexanoate:  
Species: Rabbit  
Result: Risk of serious damage to eyes.

**Respiratory or skin sensitisation****Components:**

triethyl phosphate:  
Exposure routes: Skin  
Species: Mouse  
Method: OECD Test Guideline 429  
Result: Does not cause skin sensitisation.

Polyether polyol:  
Exposure routes: Skin  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: May cause sensitisation by skin contact.

benzyl dimethylamine:  
Exposure routes: Skin  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

potassium 2-ethylhexanoate:  
Exposure routes: Skin  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

Assessment: No data available

**Chronic toxicity****Germ cell mutagenicity****Components:**

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

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



**PURL-SJ40 PART B**

Version 1.0	Revision Date: 07.03.2019	SDS Number: 400000008280	Date of last issue: - Date of first issue: 07.03.2019
----------------	------------------------------	-----------------------------	--

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

benzyl dimethylamine:  
 Genotoxicity in vitro

: Test Type: Ames test  
 Concentration: 5000 µg/plate  
 Metabolic activation: with and without metabolic activation  
 Method: reverse mutation assay  
 Result: negative

Test Type: Chromosome aberration test in vitro  
 Test system: Chinese hamster cells  
 Concentration: .213 mg/ml  
 Metabolic activation: with and without metabolic activation  
 Method: Chromosome aberration test in vitro  
 Result: positive

Test Type: Ames test  
 Test system: Salmonella typhimurium  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 471  
 Result: negative

Test Type: In vitro mammalian cell gene mutation test  
 Test system: Chinese hamster lung cells  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 476  
 Result: negative

**Components:**

triethyl phosphate:  
 Genotoxicity in vivo

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

benzyl dimethylamine:  
 Genotoxicity in vivo

: Test Type: In vivo micronucleus test  
 Species: Mouse  
 Cell type: Somatic  
 Application Route: Oral  
 Exposure time: 24 h  
 Dose: 150 mg/kg  
 Result: negative

**Carcinogenicity**

No data available

Carcinogenicity - : No data available

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

Assessment

**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

potassium 2-ethylhexanoate:

Species: Rat, male and female  
Application Route: Oral  
Fertility: No observed adverse effect level Parent: 300 mg/kg  
body weight

**Components:**

triethyl phosphate:

Effects on foetal  
development

: Species: Rat  
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

benzyl dimethylamine:

Species: Rat  
Application Route: Oral  
Teratogenicity: No observed adverse effect level: 150 mg/kg  
body weight  
Method: OECD Test Guideline 414  
Result: No teratogenic effects

potassium 2-ethylhexanoate:

Species: Rat  
Application Route: Oral  
General Toxicity Maternal: No-observed-effect level: 300  
mg/kg body weight  
Teratogenicity: 100 mg/kg body weight  
Result: Teratogenic effects

Species: Rabbit  
Application Route: Oral  
General Toxicity Maternal: No observed adverse effect level:  
25 mg/kg body weight  
Developmental Toxicity: No observed adverse effect level: >=  
250 mg/kg body weight  
Result: No adverse effects

Species: Rat  
Application Route: Oral  
General Toxicity Maternal: No observed adverse effect level:  
250 mg/kg body weight

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

Developmental Toxicity: No observed adverse effect level:  
100 mg/kg body weight  
Result: Embryotoxic effects and adverse effects on the  
offspring were detected.

**Components:**

potassium 2-ethylhexanoate:  
Reproductive toxicity -  
Assessment

: Some evidence of adverse effects on development, based on  
animal experiments.

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Repeated dose toxicity****Components:**

triethyl phosphate:  
Species: Rat, male and female  
: 1000 mg/kg, 366 mg/m<sup>3</sup>  
Application Route: Ingestion  
Test atmosphere: dust/mist  
Exposure time: 4 Weeks  
Number of exposures: 7 d  
Method: Subacute toxicity

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

benzyl dimethylamine:  
Species: Rat, male and female  
NOEL: 50 mg/kg  
Application Route: Ingestion  
Exposure time: 672 h  
Number of exposures: 7 d  
Method: Subacute toxicity

Species: Rat, male and female  
NOAEL: ca. 150 mg/kg  
Application Route: Ingestion  
Exposure time: 672 h  
Number of exposures: 7 d  
Method: Subacute toxicity

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

potassium 2-ethylhexanoate:  
Species: Rat  
NOAEL: ca. 300 mg/kg  
Application Route: Ingestion  
Exposure time: 2,160 h  
Method: Subchronic toxicity

Repeated dose toxicity - Assessment : No data available

**Aspiration toxicity****Components:**

benzyltrimethylamine:  
May be harmful if swallowed and enters airways.

**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

**Toxicology, Metabolism, Distribution**

No data available

**Neurological effects**

No data available

**Further information**

Ingestion: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:**

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

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

Test substance: Fresh water

Polyether polyol:

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

benzylidimethylamine:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 37.8 mg/l  
 Exposure time: 96 h  
 Test Type: static test  
 Test substance: Fresh water  
 Method: OECD Test Guideline 203

potassium 2-ethylhexanoate:

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)):  $>$  100 mg/l  
 Exposure time: 96 h  
 Test Type: semi-static test  
 Test substance: Fresh water  
 Method: OECD Test Guideline 203  
 Remarks: The data is estimated based on the component aquatic toxicity classification.

**Components:**

triethyl phosphate:

Toxicity to daphnia and other aquatic invertebrates : LC50:  $>$  100 mg/l  
 Exposure time: 96 h  
 Test Type: static test  
 Test substance: Fresh water

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.

benzylidimethylamine:

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: Directive 67/548/EEC, Annex V, C.2.

**Components:**

triethyl phosphate:

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

Polyether polyol:

Toxicity to algae/aquatic plants : EbC50 (Selenastrum capricornutum (green algae)): 46 mg/l  
 Exposure time: 72 h

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

Test Type: static test  
 Test substance: Fresh water  
 Method: OECD Test Guideline 201

benzyltrimethylammonium chloride:  
 Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 1.34 mg/l  
 Exposure time: 72 h  
 Test Type: static test  
 Test substance: Fresh water  
 Method: Directive 67/548/EEC, Annex V, C.3.

EC10 (Desmodesmus subspicatus (green algae)): 0.24 mg/l  
 Exposure time: 72 h  
 Test Type: static test  
 Method: Directive 67/548/EEC, Annex V, C.3.

potassium 2-ethylhexanoate:  
 Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 49.3 mg/l  
 Exposure time: 72 h  
 Test Type: static test  
 Test substance: Fresh water  
 Method: DIN 38412

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

Toxicity to fish (Chronic toxicity) : No data available

**Components:**

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

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

benzyltrimethylammonium chloride:  
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.789 mg/l  
 Exposure time: 21 d  
 Test Type: semi-static test  
 Test substance: Fresh water  
 Method: Directive 67/548/EEC, Annex V, C.20

potassium 2-ethylhexanoate:  
 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 25 mg/l  
 Exposure time: 21 d  
 Test Type: semi-static test  
 Test substance: Fresh water  
 Method: OECD Test Guideline 211

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

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

**Components:**

triethyl phosphate:

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

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

benzyl dimethylamine:

Toxicity to microorganisms : EC50 (Pseudomonas putida): 749.6 mg/l  
 Exposure time: 17 h  
 Test Type: static test  
 Test substance: Fresh water  
 Method: DIN 38 412 Part 8

: EC10 (Pseudomonas putida): 534 mg/l  
 Exposure time: 17 h  
 Test Type: static test  
 Test substance: Fresh water  
 Method: DIN 38 412 Part 8

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

**Components:**

benzyl dimethylamine:

Acute aquatic toxicity : Harmful to aquatic life.

potassium 2-ethylhexanoate:

Acute aquatic toxicity : This product has no known ecotoxicological effects.

**Components:**

benzyl dimethylamine:

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Toxicity Data on Soil : No data available

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

Other organisms relevant to the environment : No data available

**Persistence and degradability****Components:**

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

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

benzyl dimethylamine:

Biodegradability

: Inoculum: activated sludge  
Concentration: 30 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 0 - 2 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301C

potassium 2-ethylhexanoate:

Biodegradability

: Inoculum: Domestic sewage  
Result: Readily biodegradable.  
Biodegradation: 99 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E

Biochemical Oxygen Demand (BOD)

: No data available

Chemical Oxygen Demand (COD)

: No data available



**PURL-SJ40 PART B**

Version 1.0	Revision Date: 07.03.2019	SDS Number: 400000008280	Date of last issue: - Date of first issue: 07.03.2019
----------------	------------------------------	-----------------------------	--

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:**

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

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

benzyl dimethylamine:  
Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 2.1 - 22  
Exposure time: 42 d  
Test substance: Fresh water  
Method: flow-through test  
Remarks: Bioaccumulation is unlikely.

Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 2.1 - 6.4  
Exposure time: 14 d  
Test substance: Fresh water  
Method: flow-through test  
Remarks: Bioaccumulation is unlikely.

**Components:**

triethyl phosphate:  
Partition coefficient: n-octanol/water : log Pow: 1.11  
Method: Partition coefficient

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

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

benzyl dimethylamine:  
Partition coefficient: n-octanol/water : log Pow: 1.98  
pH: 13

potassium 2-ethylhexanoate:  
Partition coefficient: n-octanol/water : log Pow: 2.67

**Mobility in soil**

Mobility : No data available

**Components:**

Polyether polyol:  
Distribution among environmental compartments : Koc: 14430  
Stability in soil : No data available

**Other adverse effects**

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No data available

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

**Hazardous to the ozone layer**

Ozone-Depletion Potential : Not applicable

Additional ecological information - Product : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

Global warming potential (GWP) : No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with

## PURL-SJ40 PART B

Version 1.0	Revision Date: 07.03.2019	SDS Number: 400000008280	Date of last issue: - Date of first issue: 07.03.2019
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chemical or used container.  
 Send to a licensed waste management company.  
 Dispose of as hazardous waste in compliance with local and national regulations.  
 Dispose of contents/ container to an approved waste disposal plant.

Contaminated packaging : Empty remaining contents.  
 Dispose of as unused product.  
 Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA

Not regulated as dangerous goods

##### IMDG

Not regulated as dangerous goods

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

Not applicable for product as supplied.

#### National Regulations

##### ADG

Not regulated as dangerous goods

### SECTION 15. REGULATORY INFORMATION

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

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

Australia Work Health and Safety Regulations - : There is no applicable prohibition or  
 Schedule 10 Prohibited carcinogens, restricted notification/licensing requirements,  
 carcinogens and restricted hazardous chemicals. including for carcinogens under  
 Commonwealth, State or Territory  
 legislation.

#### 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

**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : On the inventory, or 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 : 07.03.2019  
Date format : dd.mm.yyyy

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**PURL-SJ40 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07.03.2019	400000008280	Date of first issue: 07.03.2019

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