

**SEAM SEALANT with aluminium filings**

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Version: 3 (Replaced 2)

**SECTION 1: IDENTIFICATION**

**1.1 Product identifier:** SEAM SEALANT with aluminium filings

**1.2 Recommended uses and any restrictions on use or supply:**

Relevant uses: Car repair. For professional user only.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Supplier's details:**

Troton Sp. z o.o.

Ząbrowo 14A

78-120 Gościno - Zachodniopomorskie - Polska

Phone.: +48 94 35 123 94 - Fax: +48 94 35 126 22

troton@troton.com.pl

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Distributor:

Wyatt Machine Tools (Rupes) NZ Limited

388 Church Street, Penrose, Auckland

Ph (09) 525 1000; Fax (09) 525 1009

**1.4 Emergency phone number:** ( 8am-4pm)+48 094 35 123 94; 112  
 NZ Emergency 0800 992 881 (0800WYATT1)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture:**

**HSNO Act:**

This product was classified in accordance with HSNO Act

3.1B: Flammable liquids: high hazard, H225

6.3A: Substances that are irritating to the skin, H315

6.3B: Substances that are mildly irritating to the skin, H316

6.4A: Substances that are irritating to the eye, H319

6.8B: Substances that are suspected human reproductive or developmental toxicants, H361

6.9B: Substances that are harmful to human target organs or systems (narcotic effects), H336

6.9B: Substances that are harmful to human target organs or systems, H373

6.9B: Substances that are harmful to human target organs or systems, H373

**2.2 Label elements, including precautionary statements:**

**HSNO Act:**

**Danger**



**Hazard statements:**

3.1B: H225 - Highly flammable liquid and vapour

6.3A: H315 - Causes skin irritation

6.3B: H316 - Causes mild skin irritation

6.4A: H319 - Causes serious eye irritation

6.8B: H361 - Suspected of damaging fertility or the unborn child

6.9B: H336 - May cause drowsiness or dizziness

6.9B: H373 - May cause damage to organs through prolonged or repeated exposure

6.9B: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)

**Precautionary statements:**

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**SECTION 2: HAZARDS IDENTIFICATION (continued)**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water  
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 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  
 P370+P378: In case of fire: Use ABC powder extinguisher to put it out  
 P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively

**Substances that contribute to the classification**

Toluene; Ethyl acetate; Xylene; Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7

**2.3 Other hazards which do not result in classification:**

Non-applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**Chemical description:** Mixture composed of chemical products

**Components:**

In accordance with Part B: Concentration cut-offs for ingredients in mixtures for purpose of section 3 of Hazardous Substances (Safety Data Sheets) Notice 2017, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 108-88-3	<b>Toluene</b> 3.1B: H225; 6.1E : H304; 6.3A: H315; 6.8B: H361; 6.9B: H336; 6.9B: H373 - Danger	10 - <25 %
CAS: 141-78-6	<b>Ethyl acetate</b> 3.1B: H225; 6.1E: H303; 6.4A: H319; 6.9B: H336 - Danger	10 - <25 %
CAS: 1330-20-7	<b>Xylene</b> 3.1C: H226; 6.1D: H312+H332; 6.1E : H304; 6.1E: H303; 6.1E: H335; 6.3A: H315; 6.4A: H319; 6.9B: H373 - Danger	10 - <25 %
CAS: 7429-90-5	<b>Aluminium powder (stabilised)</b> 4.1.1A: H228 - Danger	10 - <25 %
CAS: 108-10-1	<b>4-methylpentan-2-one</b> 3.1B: H225; 6.1D: H332; 6.1E: H303; 6.1E: H335; 6.4A: H319 - Danger	2,5 - <5 %
CAS: 64742-95-6	<b>Solvent naphtha (petroleum), light arom., &lt; 0.1 % EC 200-753-7</b> 3.1C: H226; 6.1E : H304; 6.1E: H303; 6.3A: H315; 6.9B: H336; 9.1B: H411; 9.1D: H401 - Danger	1 - <2,5 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**SECTION 4: FIRST-AID MEASURES**

**4.1 First aid instructions according to each relevant route of exposure;:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

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**SECTION 4: FIRST-AID MEASURES (continued)**

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of medical attention and its urgency:**

Non-applicable

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Information on the appropriate type of extinguishers or fire-fighting agents:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2). IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Advice on specific hazards that may arise from the substance:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**6.2 Environmental precautions from accidental spills and release;:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Advice on how to contain and clean up a spill or release:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

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**SECTION 7: HANDLING AND STORAGE (continued)**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

**B.- Technical recommendations for the prevention of fires and explosions**

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

**C.- Technical recommendations to prevent ergonomic and toxicological risks**

**PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT.** Transfer in fixed places that comply with the necessary security conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to containers of small amounts. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

**D.- Technical recommendations to prevent environmental risks**

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

**A.- Technical measures for storage**

- Minimum Temp.: 15 °C
- Maximum Temp.: 25 °C
- Maximum time: 12 Months

**B.- General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Occupational exposure limits:**

Substances whose workplace exposure standards (WES) have to be monitored in the work environment

Identification	OEL		
	TWA	STEL	Other
Toluene CAS: 108-88-3	50 ppm	188 mg/m <sup>3</sup>	
Ethyl acetate CAS: 141-78-6	200 ppm	720 mg/m <sup>3</sup>	
Xylene CAS: 1330-20-7	50 ppm	217 mg/m <sup>3</sup>	
Aluminium powder (stabilised) CAS: 7429-90-5		10 mg/m <sup>3</sup>	
4-methylpentan-2-one CAS: 108-10-1	50 ppm	205 mg/m <sup>3</sup>	75 ppm
		307 mg/m <sup>3</sup>	

**8.2 Engineering controls:**

**A.- Identification of the specific types of personal protective equipment**

In accordance with the order of importance to control professional exposure it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using individual protection equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

**B.- Respiratory protection**


Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

**C.- Specific protection for the hands**



Pictogram	PPE	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves (NBR), Breakthrough Time 480 min, thickness 0.4 mm	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application



**D.- Ocular and facial protection**

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer 's instructions. Use if there is a risk of splashing.

**E.- Bodily protection**

Pictogram	PPE	Remarks
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer 's instructions.

**F.- Additional emergency measures**

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C: Liquid

Appearance: Viscous

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Colour:	 Grey
Odour:	Not available
Odour threshold:	Non-applicable *
<b>Volatility:</b>	
Initial boiling point and boiling range:	107 °C
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	16653.53 Pa (16.65 kPa)
Evaporation rate at 20 °C:	Non-applicable *
<b>Product description:</b>	
Density at 20 °C:	1100 kg/m <sup>3</sup>
Relative density at 20 °C:	Non-applicable *
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	>20.5 cSt
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
<b>Flammability:</b>	
Flash Point:	4 °C
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	427 °C
Lower flammability limit:	1.4 % Volume
Upper flammability limit:	8.3 % Volume
<b>Explosive:</b>	
Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
<b>9.2 Other information:</b>	
Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**
**10.1 Chemical reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

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**SECTION 10: STABILITY AND REACTIVITY (continued)**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 List of conditions to avoid or prevent a hazardous situation:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Information on incompatible substances or materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases. Can react violently

**10.6 Information on hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: Toluene (3); Xylene (3); 4-methylpentan-2-one (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Toluene CAS: 108-88-3	LD50 oral	5580 mg/kg	Rat
	LD50 dermal	12124 mg/kg	Rat
	LC50 inhalation	28.1 mg/L (4 h)	Rat
Ethyl acetate CAS: 141-78-6	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L (4 h)	
Xylene CAS: 1330-20-7	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1100 mg/kg (ATEi)	Rat
	LC50 inhalation	11 mg/L (4 h) (ATEi)	
Aluminium powder (stabilised) CAS: 7429-90-5	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	Non-applicable	
Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7 CAS: 64742-95-6	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	2000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L (4 h)	
4-methylpentan-2-one CAS: 108-10-1	LD50 oral	2080 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	11 mg/L (4 h) (ATEi)	

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Ecotoxicity (aquatic and terrestrial):**

Identification	Acute toxicity		Species	Genus
	LC50	EC50		
Toluene CAS: 108-88-3	LC50	13 mg/L (96 h)	Carassius auratus	Fish
	EC50	11.5 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	125 mg/L (48 h)	Scenedesmus subspicatus	Algae
Ethyl acetate CAS: 141-78-6	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
Xylene CAS: 1330-20-7	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacean
	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
4-methylpentan-2-one CAS: 108-10-1	LC50	900 mg/L (48 h)	Leuciscus idus	Fish
	EC50	862 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	980 mg/L (48 h)	Scenedesmus subspicatus	Algae
Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7 CAS: 64742-95-6	LC50	1 - 10 mg/L (96 h)		Fish
	EC50	1 - 10 mg/L		Crustacean
	EC50	1 - 10 mg/L		Algae

**12.2 Persistence and degradability:**

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Degradability		Biodegradability	
	Parameter	Value	Parameter	Value
Toluene CAS: 108-88-3	BOD5	2.5 g O2/g	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %
Ethyl acetate CAS: 141-78-6	BOD5	1.36 g O2/g	Concentration	100 mg/L
	COD	1.69 g O2/g	Period	14 days
	BOD5/COD	0.81	% Biodegradable	83 %
Xylene CAS: 1330-20-7	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	88 %
4-methylpentan-2-one CAS: 108-10-1	BOD5	2.06 g O2/g	Concentration	100 mg/L
	COD	2.16 g O2/g	Period	14 days
	BOD5/COD	0.95	% Biodegradable	84 %
Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7 CAS: 64742-95-6	BOD5	0.19 g O2/g	Concentration	Non-applicable
	COD	0.44 g O2/g	Period	Non-applicable
	BOD5/COD	0.43	% Biodegradable	Non-applicable

**12.3 Potential to be bioaccumulative:**

Identification	Bioaccumulation potential	
	Parameter	Value
Toluene CAS: 108-88-3	BCF	13
	Pow Log	2.73
	Potential	Low
Ethyl acetate CAS: 141-78-6	BCF	30
	Pow Log	0.73
	Potential	Moderate
Xylene CAS: 1330-20-7	BCF	9
	Pow Log	2.77
	Potential	Low
4-methylpentan-2-one CAS: 108-10-1	BCF	2
	Pow Log	1.31
	Potential	Low
Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7 CAS: 64742-95-6	BCF	
	Pow Log	4
	Potential	

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
	Parameter	Value	Parameter	Value
Toluene CAS: 108-88-3	Koc	178	Henry	672.8 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2.793E-2 N/m (25 °C)	Moist soil	Yes
Ethyl acetate CAS: 141-78-6	Koc	59	Henry	13.58 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.324E-2 N/m (25 °C)	Moist soil	Yes
Xylene CAS: 1330-20-7	Koc	202	Henry	524.86 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
4-methylpentan-2-one CAS: 108-10-1	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2.35E-2 N/m (25 °C)	Moist soil	Non-applicable

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

Non-applicable

**12.6 Other adverse effects:**

Not described

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Appropriate and achievable disposal methods:**

**Special precautions to be taken during disposal:**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See epigraph 6.2.

**Regulations related to waste management:**

Legislation related to waste management:

Imports and Exports (Restrictions) Prohibition Order (No 2) 2004

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to NZS 5433.1:2012 Transport of dangerous goods on land



- 14.1 UN number:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 UN dangerous goods class and subsidiary risk:** 3
- Labels: 3
- 14.4 UN Packing Group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 38-16:



- 14.1 UN number:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 UN dangerous goods class and subsidiary risk:** 3
- Labels: 3
- 14.4 UN Packing Group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2020:



- 14.1 UN number:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 UN dangerous goods class and subsidiary risk:** 3
- Labels: 3
- 14.4 UN Packing Group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

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**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations specific for the product in question:**

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Relevant regulatory requirements:**

- Health and Safety at Work (Hazardous Substances) Regulations 2017
- Health and Safety at Work Act 2015
- Hazardous Substances (Classification) Notice 2017
- Hazardous Substances (Labelling) Notice 2017

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with Schedule 1: Content and format of safety data sheets of Hazardous Substances (Safety Data Sheets) Notice 2017

**Texts of the legislative phrases mentioned in section 2:**

- H315: Causes skin irritation
- H316: Causes mild skin irritation
- H361: Suspected of damaging fertility or the unborn child
- H336: May cause drowsiness or dizziness
- H373: May cause damage to organs through prolonged or repeated exposure
- H373: May cause damage to organs through prolonged or repeated exposure (Oral)
- H225: Highly flammable liquid and vapour
- H319: Causes serious eye irritation

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**HSNO Act:**

- 3.1B: H225 - Highly flammable liquid and vapour
- 3.1C: H226 - Flammable liquid and vapour
- 4.1.1A: H228 - Flammable solid
- 6.1D: H312+H332 - Harmful in contact with skin or if inhaled
- 6.1D: H332 - Harmful if inhaled
- 6.1E : H304 - May be fatal if swallowed and enters airways
- 6.1E: H303 - May be harmful if swallowed
- 6.1E: H335 - May cause respiratory irritation
- 6.3A: H315 - Causes skin irritation
- 6.4A: H319 - Causes serious eye irritation
- 6.8B: H361 - Suspected of damaging fertility or the unborn child
- 6.9B: H336 - May cause drowsiness or dizziness
- 6.9B: H373 - May cause damage to organs through prolonged or repeated exposure
- 6.9B: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)
- 9.1B: H411 - Toxic to aquatic life with long lasting effects
- 9.1D: H401 - Toxic to aquatic life

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<https://www.epa.govt.nz/>

**Abbreviations and acronyms:**

## Safety data sheet

According to Hazardous Substances (Safety Data Sheets) Notice 2017

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**SECTION 16: OTHER INFORMATION (continued)**

HSNO Act: Hazardous substances and new organisms Act  
IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
CL50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET