

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 9 (replaces version 8)

Revision: 16.02.2022

*** SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** U-Seal 816T**UFI:** G11G-GVM3-139K-8TJU**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture: One part polyurethane construction sealant.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

PENETRON HELLAS S.A.

50, THRAKOMAKEDONON AV., 136 79 ACHARNES, GREECE

TEL.: +30 210 2448250 - FAX: + 30 210 2476803

Email: info@penetron.gr Site: www.penetron.gr

1.4 Emergency telephone number:

European Emergency Tel.: 112

*** SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS08

Signal word: Danger**Hazard-determining components of labelling:**

diphenylmethane diisocyanate, isomers and homologues

4,4'-methylenediphenyl diisocyanate

tris(nonylphenyl) phosphite

Hazard statements:

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P284 [In case of inadequate ventilation] wear respiratory protection.

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

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**

CAS: 26523-78-4 tris(nonylphenyl) phosphite

List I

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 2020/878:**

CAS: 28553-12-0 EINECS: 249-079-5 Reg.nr.: 01-2119430798-28-XXXX	diisononyl phthalate substance with a Community workplace exposure limit	≥7-<8%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	Xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	≥5-<6%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-XXXX	Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] Classification notes according to Annex VI to the CLP Regulation: 10, V, W ⚠ Carc. 2, H351, EUH211, EUH212	≥4.5-<5%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥1-<1.5%
CAS: 9016-87-9	diphenylmethane diisocyanate, isomeres and homologues ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	≥0.5-<0.6%

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CAS: 52829-07-9 EINECS: 258-207-9 Reg.nr.: 01-2119537297-32-XXXX	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate ⚠ Repr. 2, H361f; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥0.3-<0.35%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	≥0.25-<0.3%
CAS: 26523-78-4 EINECS: 247-759-6 Index number: 015-202-00-4 Reg.nr.: 01-2119520601-54-XXXX	tris(nonylphenyl) phosphite ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	≥0.15-<0.19%
CAS: 6425-39-4 EINECS: 229-194-7 Reg.nr.: 01-2119969278-20-XXXX	2,2'-dimorpholinyl-diethyl ether ⚠ Eye Irrit. 2, H319	≥0.05-<0.1%

SVHC

CAS: 26523-78-4 | tris(nonylphenyl) phosphite

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.

In all cases call a doctor

After inhalation:

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.

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

Seek medical treatment in case of complaints.

After skin contact:

Immediately rinse with plenty of water.

In case of skin irritation, consult a physician.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses and continue rinsing for several minutes

If skin irritation continues, consult a doctor.

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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

Carbon dioxide, foam, chemical powder. For losses and product leaks that are not burned, it can be used water spray jet to disperse flammable vapors and protect carers to inhibit leakage.

For safety reasons unsuitable extinguishing agents:

Do not use water pressure. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters**General Information:**

Use water jets to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

Equipment:

Normal clothing for firefighting, including a breathing open-circuit compressed air breathing apparatus (EN 137), fireproof clothing (EN469), fire-proof gloves (EN 659) and boots Firefighters (HO A29 or A30).

Additional information

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

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Avoid inhalation of vapors.

6.1.1 For non-emergency personnel Avoid contact with dripping or leaking material

6.1.2 For emergency responders

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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

Avoid contact with skin, eyes and clothing.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Do not eat, drink or smoke during the usage of the product.

Wash hands before each break and after finishing work.

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Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:** Keep only in the original container.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 28553-12-0 diisononyl phthalate**WEL (Great Britain) Long-term value: 5 mg/m³**CAS: 1330-20-7 Xylene**WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGVIOELV (EU) Short-term value: 442 mg/m³, 100 ppm
Long-term value: 221 mg/m³, 50 ppm
Skin**CAS: 13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]****Classification notes according to Annex VI to the CLP Regulation: 10, V, W**WEL (Great Britain) Long-term value: 10* 4** mg/m³
*total inhalable **respirable**CAS: 141-78-6 ethyl acetate**WEL (Great Britain) Short-term value: 1468 mg/m³, 400 ppm
Long-term value: 734 mg/m³, 200 ppmIOELV (EU) Short-term value: 1468 mg/m³, 400 ppm
Long-term value: 734 mg/m³, 200 ppm**CAS: 9016-87-9 diphenylmethane diisocyanate, isomeres and homologues**WEL (Great Britain) Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**WEL (Great Britain) Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO**DNELs**

CAS: 1330-20-7 Xylene (mixture of isomers)

Workers:

Dermal, Long-term exposure, Systemic, 212 mg/kg

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Inhalation, Long-term exposure, Systemic, 221 mg/ml

Inhalation, Acute exposure, Systemic, 442 mg/kg

Consumers:

Oral, Long exposure, Systemic, 12.5 mg/kg

Dermal, Long-term exposure, Systemic, 125 mg/kg

Inhalation, Long Exposure, Systemic, 65.3 mg/m³

Ethyl acetate | CAS: 141-78-6.

Workers:

Acute systemic effects inhalation 1468 mg/m³Acute Local effects inhalation 1468 mg/m³

Long Term systemic effects dermal 63 mg/kg bw/day

Long Term systemic effects inhalation 34 mg/m³Long Term local effects inhalation 734 mg/m³

General population:

Acute systemic effects inhalation 734 mg/m³Acute local effects inhalation 734 mg/m³

Long Term systemic effects dermal 37 mg/kg bw/day

Long Term systemic effects inhalation 367 mg/m³

Long Term systemic effects oral 4.5 mg/kg bw/day

Long Term local effects inhalation 367 mg/m³

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | CasNo: 52829-07-9.

Consumers:

Oral: chronic systemic effect - 1 mg/kg

systemic effect - 1 mg/kg

Inhalation: Acute systemic effect - 1.4 mg/m³chronic systemic incidence - 1,4 mg/m³

Dermal: Acute systemic effect - 1 mg/kg

chronic systemic effect - 1 mg/kg

Workers:

Inhalation: chronic & acute systemic effect - 5.6 mg/m³

Dermal: chronic & acute systemic effect - 2 mg/kg

4,4'-methylenediphenyl diisocyanate | CAS: 101-68-8.

DNEL Workers:

Inhalation - Intensive local effect: 0.1 mg/m³Inhalation - Strong systemic effect: 0.1 mg/m³Inhalation - Chronic systemic & local incidence: 0.05 mg/m³

DNEL Consumers:

Mouth - Chronic systemic effect: 20 mg/kg bw/d

Inhalation - Intensive local effect: 0.05 mg/m³Inhalation - Intensive systemic effect: 0.05 mg/m³Inhalation - Chronic local incidence: 0.025 mg/m³**PNECs**

Xylol (cas: 1330-20-7)

Fresh water: 0.327 mg / l (-)

Marine water: 0.327 mg / l (-)

Intermittent releases: 0.327 mg / l (-)

Fresh water sediment: 12.46 mg / l (-)

Marine water sediment: 12.46 mg / l (-)

Soil: 2.31 mg / kg (-)

STP: 6.58 mg / l (-)

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Ethyl acetate | CAS: 141-78-6.

Fresh water 0.26 mg/l

Marine water 0.026 mg/l

Sediment fresh water 0.34 mg/kg ίζημα dw

Sediment marine water 0.034 mg/kg ίζημα dw

Soil 0.22 mg/kg soil dw

STP 650 mg/l

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | CasNo: 52829-07-9.

fresh water 0,005 mg/l

marine water 0,0005 mg/l

sediments in fresh water 8.02 mg/kg

sediment in seawater 0.802 mg/kg

for micro-organisms STP 1 mg/l

for the terrestrial compartment of 1,6 mg/kg

4,4'-methylenediphenyl diisocyanate | CAS: 101-68-8.

PNEC:

in fresh water 1.01 mg/l

in marine water 0.11 mg/l

for micro-organisms STP 1,01 mg/l

for the terrestrial area of 1,01 mg/kg

8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Be sure to clean skin thoroughly after work and before breaks.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while using the product.

Do not breathe vapours or mists.

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

In case of exceeding the threshold value (eg, TLV-TWA) of the substance or one or more of the substances present in the product, it is advisable to wear a mask with filter type A for organic vapors, the class (1, 2 or 3) must be chosen according to the limit concentration of use (1000, 5000 or 10000 ppm) (ref. standard EN 14387).

Hand protection

Protective gloves resistant to chemicals (standard EN 374-1)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

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

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Contaminated gloves should be removed.

in case of contact for the short term or as protection against splashes, use gloves made of nitrile (0.3mm thickness, permeation time >480 min.). In the event of continued exposure use butyl rubber gloves (0.4mm thickness, permeation time > 480 min.).

Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Physical state	Paste
Colour:	Various
Odour:	typical
Odour threshold:	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not Flammable
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic:	60.000-135.000 cps (UNI EN ISO 3219)
Solubility	
water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density:	1.3-1.35 g/cm ³ (ISO 1183-1 A)
Relative density	Not determined
Vapour density	Not determined

9.2 Other information**Appearance:****Form:** Paste**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** Not determined**Explosive properties:** Product does not present an explosion hazard.

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Solvent content:**VOC (EC)** VOC (Directive 2010/75/EC) : 6,94 %**Cloud point / clarification point:****Oxidising properties** No data available**Evaporation rate** Not determined**Information with regard to physical hazard classes****Explosives** Void**Flammable gases** Void**Aerosols** Void**Oxidising gases** Void**Gases under pressure** Void**Flammable liquids** Void**Flammable solids** Void**Self-reactive substances and mixtures** Void**Pyrophoric liquids** Void**Pyrophoric solids** Void**Self-heating substances and mixtures** Void**Substances and mixtures, which emit flammable****gases in contact with water** Void**Oxidising liquids** Void**Oxidising solids** Void**Organic peroxides** Void**Corrosive to metals** Void**Desensitised explosives** Void**SECTION 10: Stability and reactivity****10.1 Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

ETHYL ACETATE

Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

10.2 Chemical stability Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided**

No decomposition if used and stored according to specifications.

Stable at environment temperature.

10.3 Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

ETHYL ACETATE

Risk of explosion on contact with: alkaline metals,hydrides,oleum.May react violently with: fluorine,strong oxidising agents,chlorosulphuric

acid,potassium tert-butoxide.Forms explosive mixtures with: air.

10.4 Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

ETHYL ACETATE

Avoid exposure to: light,sources of heat,naked flames.

10.5 Incompatible materials

ETHYL ACETATE

Incompatible with: acids,bases,strong oxidants,aluminium,nitrates,chlorosulphuric acid.Incompatible materials: plastic materials.

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10.6 Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**ATE (Acute Toxicity Estimates)**

Dermal	LD50	>28,333-≤34,000 mg/kg (rabbit)
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CAS: 28553-12-0 diisononyl phthalate

Oral	LD50	>10,000 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit)

CAS: 1330-20-7 Xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	1,700 mg/kg (rabbit)
Inhalative	LC50 (4h)	5,000 ppm (rat)

CAS: 13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
Classification notes according to Annex VI to the CLP Regulation: 10, V, W

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	>6.82 mg/l (rat)

CAS: 141-78-6 ethyl acetate

Oral	LD50	5,620 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	1,600 mg/l (rat)

CAS: 9016-87-9 diphenylmethane diisocyanate, isomeres and homologues

Oral	LD50	>10,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	0.493 mg/l (rat) (OECD 401) 0.493 mg/l (rabbit)

CAS: 52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

Oral	LD50	3,700 mg/kg (rat)
Dermal	LD50	>3,170 mg/kg (rat)
Inhalative	LC50/4 h (vapour)	0.5 mg/l (rat)

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD50	2,200 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)

CAS: 26523-78-4 tris(nonylphenyl) phosphite

Oral	LD50	> 15000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)

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Skin corrosion/irritation Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** May cause allergy or asthma symptoms or breathing difficulties if inhaled.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Sensitisation Sensitization possible through skin contact**Repeated dose toxicity** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

CAS: 26523-78-4 | tris(nonylphenyl) phosphite

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*** SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

Phosphorus tris (nonylphenyl ester) | CasNo: 26523-78-4.

LC50 - Fish 7.1 mg/l/96h Danio rerio

Diphenylmethane-diisocyanate, isomers and homologues | CasNo: 9016-87-9.

LC50 - Fish > 1000 mg/l/96h Danio rerio

EC50 - Algae / Aquatic Plants > 1640 mg/l/72h Scenedesmus subspicatus

Chronic NOEC Shellfish > 10 mg/l Daphnia magna

4,4'-methylenediphenyl diisocyanate | CasNo: 101-68-8.

LC50 - Fish > 1000 mg/l/96h Danio rerio

EC50 - Algae / Aquatic Plants > 1640 mg/l/72h Scenedesmus subspicatus

Chronic NOEC Shellfish > 10 mg/l Daphnia magna

NOEC Chronic Algae / Aquatic Plants 1640 mg/l Desmodemus subspicatus

Bis (2,2,6,6-tetramethyl-4-piperidyl) sebacate | CasNo: 52829-07-9.

LC50 - Fish 4.4 mg/l/96h Brachydanio rerio

EC50 - Shellfish 0.57 mg/l/48h Daphnia sp.

EC50 - Algae / Aquatic Plants 1.9 mg/l/72h Scenedesmus subspicatus

Ethyl acetate CasNo: 141-78-6.

LC50 - Fish > 212 mg/l/96h

EC50 - Shellfish 260 mg/l/48h Daphnia pulex

Xylene | CasNo: 1330-20-7.

LC50 - Fish 2.6 mg/l/96h Oncorhynchus mykiss

EC50 - Algae / Aquatic Plants 4.36 mg/l/72h Pseudokirchneriella subcapitata

NOEC Chronic Fish > 1.3 mg/l Oncorhynchus mykiss

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Chronic NOEC Shellfish 1.57 mg/l Daphnia magna

12.2 Persistence and degradability

TRIS(NONYLPHENYL)PHOSPHITE

NOT rapidly degradable

DIPHENYLMETHANE DIISOCYANATE, ISOMERS AND HOMOLOGUES.

NOT rapidly degradable

BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)SEBACATE

NOT rapidly degradable

ETHYL ACETATE

Solubility in water > 10000 mg/l

Rapidly degradable

XYLENE (BENZENE <0.01%)

Rapidly degradable

12.3 Bioaccumulative potential

ACID ETHYL

Partition coefficient: n-octanol / water. 0.68

BCF [bioconcentration factor]. 30

12.4 Mobility in soil No further relevant information available.**12.5 Results of PBT and vPvB assessment**

Based on available data, the product does not contain PBT or vPvB in an amount greater than 0.1%.

PBT: Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Reuse, when possible. Product residues should be considered special hazardous waste.

The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Contact manufacturer for recycling information.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

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14.3 Transport hazard class(es)**ADR, ADN, IMDG, IATA****Class** Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:** Not applicable.**14.6 Special precautions for user** Not applicable.**14.7 Maritime transport in bulk according to IMO****instruments** Not applicable.**UN "Model Regulation":** Void*** SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 52a, 56a, 74**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

CAS: 26523-78-4 | tris(nonylphenyl) phosphite

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

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


Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.
- EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Department issuing SDS:

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Contact:

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Version number of previous version: 8**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Resp. Sens. 1: Respiratory sensitisation – Category 1
 Skin Sens. 1: Skin sensitisation – Category 1
 Carc. 2: Carcinogenicity – Category 2
 Repr. 2: Reproductive toxicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

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