



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

### T49V2-02

Version	Revision Date:	Date of last issue: -
14	25.2.2025	Date of first issue: 10.10.2024

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

### 1.1 Product identifier

Trade name : T49V2  
UFI:0N2F-NS9Q-EP4J-RCRP

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Inkjet inks (UV-curable type)

### 1.3 Details of the supplier of the safety data sheet

#### Importer/Supplier's company name, address and phone number

Company :  
Address :  
Telephone :  
E-mail address :

#### Company name, address and phone number

Company : EPSON EUROPE B.V.  
Address : Azie building, Atlas ArenA, Hoogoorddreef 5, 1101 BA  
Amsterdam Zuidoost The Netherlands  
Phone number: +31-20-314-5000  
3rd and 4th Floors, The Clarendon Works, 37-39 Clarendon  
Road, Watford, WD17 1JA, United Kingdom  
Phone number: +44-1442-261144  
E-mail address of person responsible for the SDS : chemicals@epson.eu

### 1.4 Emergency telephone

United Kingdom; 01952 607111 Monday to Friday 9am to 5:30pm.  
Emergency Action: In the event of a medical enquiry involving this product,  
please contact your doctor or local hospital accident and emergency  
department.  
Ireland; +353 (01) 809 2566 or +353 (01) 809 2166 8am – 10pm  
Malta; 2545 0000 or 21224071

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity - Oral, Category 4	H302: Harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Reproductive toxicity, Category 1	H360: May damage fertility or the unborn child.
Specific target organ toxicity - repeated exposure, Category 1	H372: Causes damage to organs through prolonged or repeated exposure.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements :

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

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#### Response:

P302 + P352    IF ON SKIN: Wash with plenty of water and soap.

P301 + P312    IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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.

P310            Immediately call a POISON CENTER or doctor.

P330            Rinse mouth.

P314            Get medical advice/attention if you feel unwell.

P333 + P313    If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364    Take off contaminated clothing and wash it before reuse.

P391            Collect spillage

#### Storage:

P405            Store locked up.

#### Disposal:

P501            Dispose of contents/ container to an approved waste disposal plant.

#### Hazardous ingredients which must be listed on the label:

2-Propenoic acid, phenylmethyl ester  
2H-Azepin-2-one, 1-ethenylhexahydro-  
Morpholine, 4-(1-oxo-2-propenyl)-  
2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-

#### Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 3.5 %

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 3.5 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 3.5 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 3.5 %

#### 2.3 Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Inkjet inks (UV-curable type)

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-Propenoic acid, phenylmethyl ester	2495-35-4 219-673-9	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	30-40
2H-Azepin-2-one, 1-ethenylhexahydro-	2235-00-9 218-787-6	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) STOT RE 1 (H372)	10-20
Morpholine, 4-(1-oxo-2-propenyl)-	5117-12-4	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT RE 2 (H373)	10-20
2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-	5888-33-5 227-561-6	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	10-20
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	75980-60-8 278-355-8	Repr. 1 (H360) Skin Sens. 1B (H317)	5-10
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	7328-17-8 230-811-7	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	5-10
Trimethylolpropane polyoxyethylene triacrylate	28961-43-5	Eye Irrit. 2 (H319) Skin Sens. 1B (H317)	5-10

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		Aquatic Chronic 3 (H412)	
Phthalocyanine blue	147-14-8 205-685-1	-	1-5
Bis(2-ethylhexyl)-2-butenedioate	142-16-5 205-524-5	STOT RE 2 (H373) Aquatic Chronic 1 (H410)	< 1
Caprolactam	105-60-2 203-313-2	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	< 1
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propenyl)oxy]-	52408-84-1	Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	< 1
1,6-Hexanediol diacrylate	13048-33-4 235-921-9	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	< 1
2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4-(phenylmethylene)-	7078-98-0	Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)	< 1
4-Methoxyphenol	150-76-5 205-769-8	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	< 1

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

- General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of 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 : Immediately flush eye(s) with plenty of water.

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- Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

- Risks : Harmful if swallowed.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause respiratory irritation.  
Suspected of damaging fertility. (Causing atrophy of the testes)  
Causes damage to organs through prolonged or repeated exposure.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
- 

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : 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.
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## SECTION 6: Accidental release measures

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

Personal precautions        :    Use personal protective equipment.

### 6.2 Environmental precautions

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.

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

Methods for 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.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling        :    Avoid formation of aerosol.  
Do not breathe vapors/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 appli-  
cation area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national  
regulations.  
Persons susceptible to skin sensitization problems or asthma,  
allergies, chronic or recurrent respiratory disease should not  
be employed in any process in which this mixture is being  
used.

Advice on protection against    :    Normal measures for preventive fire protection.  
fire and explosion

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

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage ar-    :    Keep container tightly closed in a dry and well-ventilated  
eas and containers                place. Containers which are opened must be carefully re-  
sealed and kept upright to prevent leakage. Observe label

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precautions. Electrical installations / working materials must  
comply with the technological safety standards.

Further information on stor- : No decomposition if stored and applied as directed.  
age stability

#### 7.3 Specific end use(s)

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

##### Personal protective equipment

- Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing  
problems.
- Hand protection
- Remarks : The suitability for a specific workplace should be discussed  
with the producers of the protective gloves.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and con-  
centration of the dangerous substance at the work place.
- Respiratory protection : No personal respiratory protective equipment normally re-  
quired.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- Physical state : liquid
- Color : colored
- Odor : characteristic
- Melting point/freezing point : No data available
- Boiling point, initial boiling : No data available  
point and boiling range
- Upper explosion limit / Upper : No data available  
flammability limit



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Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	>= 94 °C Method: Seta closed cup
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	Not applicable
Viscosity	:	
Viscosity, kinematic	:	<= 14 mm <sup>2</sup> /s
Solubility(ies)	:	
Water solubility	:	insoluble
Solubility in other solvents	:	Solvent: Solubility: Organic solvent
Partition coefficient: n-octanol/water	:	No data available
Vapor pressure	:	No data available
Density	:	1.00 - 1.10 g/cm <sup>3</sup>
Relative vapor density	:	No data available
Particle characteristics	:	
Particle size	:	Not applicable

#### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

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#### 10.5 Incompatible materials

Materials to avoid                      : Not applicable

#### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Harmful if swallowed.

##### Product:

Acute oral toxicity                      : Acute toxicity estimate: 1,553 mg/kg  
Method: Calculation method

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

##### Components:

##### **Copolymer solution containing pigment affinity group:**

Acute oral toxicity                      : Assessment: Toxic effects cannot be excluded

##### **Skin corrosion/irritation**

Causes skin irritation.

##### Product:

Remarks                                    : May cause skin irritation and/or dermatitis.

##### **Serious eye damage/eye irritation**

Causes serious eye damage.

##### Product:

Remarks                                    : May cause irreversible eye damage.

##### **Respiratory or skin sensitization**

##### **Skin sensitization**

May cause an allergic skin reaction.

##### **Respiratory sensitization**

Not classified due to lack of data.

##### Product:

Remarks                                    : Causes sensitization.

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#### **Germ cell mutagenicity**

Not classified due to lack of data.

#### **Carcinogenicity**

Not classified due to lack of data.

#### **Reproductive toxicity**

Suspected of damaging fertility. (Causing atrophy of the testes)

#### **STOT-single exposure**

May cause respiratory irritation.

#### **STOT-repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

#### **Aspiration toxicity**

Not classified due to lack of data.

### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

##### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### **Further information**

##### **Product:**

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Components:**

**Copolymer solution containing pigment affinity group:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic effects cannot be excluded

### 12.2 Persistence and degradability

No data available

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#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

**Product:**

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.

#### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.7 Other adverse effects

**Product:**

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

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## SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

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

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## SECTION 14: Transport information

#### 14.1 UN number or ID number



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**ADR** : UN 3082  
**RID** : UN 3082  
**IMDG** : UN 3082  
**IATA** : UN 3082

#### 14.2 UN proper shipping name

**ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(, )  
**RID** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(, )  
**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(, )  
**IATA** : Environmentally hazardous substance, liquid, n.o.s.  
(, )

#### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADR</b>	: 9	
<b>RID</b>	: 9	
<b>IMDG</b>	: 9	
<b>IATA</b>	: 9	

#### 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)

**RID**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9

**IMDG**  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

**IATA (Cargo)**

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Packing instruction (cargo aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 964  
Packing instruction (LQ) : Y964  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

#### 14.5 Environmental hazards

##### ADR

Environmentally hazardous : yes

##### RID

Environmentally hazardous : yes

##### IMDG

Marine pollutant : yes

##### IATA (Passenger)

Environmentally hazardous : yes

##### IATA (Cargo)

Environmentally hazardous : yes

#### 14.6 Special precautions for user

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

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 75, 3

If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide

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Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.      E2      ENVIRONMENTAL HAZARDS

MAL-Code-Number : 5-6 (1993)

#### Other regulations:

When evaluating a workplace, measures must be taken to ensure that employees are not exposed to conditions that may pose a risk during pregnancy or breastfeeding (cf. The Danish Working Environment Authority's Executive Order on The Performance of Work)  
Young people under the age of 18 are not allowed to use or be exposed to the product professionally. Young people above the age of 15 are, however, except from this rule if the product is a necessary part of their education.

#### 15.2 Chemical Safety Assessment

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#### SECTION 16: Other information

##### Full text of H-Statements

H302	:	Harmful if swallowed.
H311	:	Toxic in contact with skin.
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.
H335	:	May cause respiratory irritation.
H360	:	May damage fertility or the unborn child.
H372	:	Causes damage to organs through prolonged or repeated exposure.
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.

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H413 : May cause long lasting harmful effects to aquatic life.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Repr. : Reproductive toxicity  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitization  
STOT RE : Specific target organ toxicity - repeated exposure  
STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

##### Classification of the mixture:

Acute Tox. 4 H302  
Skin Irrit. 2 H315

##### Classification procedure:

Calculation method  
Calculation method





## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

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Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 1	H360	Calculation method
STOT RE 1	H372	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

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