

**WINSOR & NEWTON CALLIGRAPHY INK P1****Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
 Issue date: 19/01/2022 Revision date: 19/01/2022 Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : WINSOR & NEWTON CALLIGRAPHY INK P1  
 Product group : Trade product  
 Other means of identification : GOLD, SILVER, WHITE

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
 Main use category : Consumer uses

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Supplier**

COLART EUROPE SAS SAS  
 5 rue René Panhard 72021 Le Mans Cedex 2  
 72021 LeMans  
 France  
 T +44 208 424 3270  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Other**

Colart International Holdings LTD  
 The MediaWorks Building  
 191 Wood Lane  
 GB– W12 7FP London – London  
 United Kingdom  
 T 02084243200  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Distributor**

COLART UK LTD  
 Goldthorn Road  
 DY11 7JN Kidderminster – Worcestershire  
 United Kingdom  
 T +44 (0) 2084243200  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Manufacturer**

Colart France  
 Zone Industrielle Nord 5 Rue René Panhard, +33 2 43 83 83 00  
 Le Mans  
 France  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Distributor**

Jasco Pty (NZ) Limited  
 5 Airpark Drive, Airport Oaks, Auckland Airport Auckland  
 P.O. Box 107010

**Distributor**

JASCO  
 1-5 Commercial Road Kingsgrove  
 +61– NSW 2208 New South Wales  
 T 029807 1555

**1.4. Emergency telephone number**

Emergency number : +33 2 43 83 83 00 (Monday- Thursday: 8:00-12:00 13:30-16:00 , Friday: 8:00-12:00 CET Language French); (+44) 2084243200 Monday-Friday: 9:00-17:00 GMT Language English)

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145 Westmead	13 11 26	
New Zealand	New Zealand National Poison Centre Dunedin School of Medicine, University of Otago	PO Box 56 Dunedin 9054	0800 764 766 (0800 POISON)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

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

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Contains	:	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ]
EUH-statements	:	EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Child-resistant fastening	:	Not applicable
Tactile warning	:	Not applicable

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ]	CAS-No.: 13463-67-7 EC-No.: 236-675-5	5 – 10	Carc. 2, H351

Comments :

- Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .
- Note V : If the substance is to be placed on the market as fibres (with diameter  $< 3 \mu\text{m}$ , length  $> 5 \mu\text{m}$  and aspect ratio  $\geq 3:1$ ) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied. This mixture contains  $\geq 1\%$  titanium dioxide (CAS 13463-67-7) The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10.
- Note W : It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Full text of H- and EUH-statements: see section 16

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow affected person to breathe fresh air. Allow the victim to rest.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth out with water. In all cases of doubt, or when symptoms persist, seek medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Sand.  
 Unsuitable extinguishing media : Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard : No fire hazard.

**5.3. Advice for firefighters**

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.  
 Emergency procedures : Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**6.4. Reference to other sections**

See Section 8. Exposure controls and personal protection.

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

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.
Incompatible products	:	Strong bases. Strong acids.
Incompatible materials	:	Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

Refer to section 1.2.1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Additional information : No exposure limits exist for this material

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### 8.2.2.1. Eye and face protection

###### Eye protection:

Avoid contact with eyes

##### 8.2.2.2. Skin protection

###### Hand protection:

Avoid contact with skin

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

No respiratory protection needed under normal use conditions

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

###### Other information:

Do not eat, drink or smoke during use. Ensure there is adequate ventilation.

## SECTION 9: Physical and chemical properties

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

Physical state	:	Liquid
Colour	:	Various colours.
Appearance	:	Liquid.

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Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 100 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 9 – 10
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1 – 1.2
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

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### SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: 9 – 10
Serious eye damage/irritation	: Not classified
	pH: 9 – 10
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

#### titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

IARC group	2B - Possibly carcinogenic to humans
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

#### 11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

No additional information available

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Item Numbers: 21144-1020, 21144-2020, 21144-2050, 21144-2090, 21144-3080, 21144-3160, 21144-3250, 21144-4000, 21144-4040, 21144-4060, 21144-5020, 21144-5030, 21144-6510, 21144-7030, 21144-7150, 21144-8080, 21144-9010, 21144-9330 Page 6 of 17

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**SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
<b>14.1. UN number or ID number</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

**14.6. Special precautions for user**

**Overland transport**

Not applicable

**Transport by sea**

Not applicable

**Air transport**

Not applicable

**Inland waterway transport**

Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable

**SECTION 15: Regulatory information**

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

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

**15.1.2. National regulations**

**Germany**

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
 SZW-lijst van mutagene stoffen : None of the components are listed  
 SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
 SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
 SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
 The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### Switzerland

Swiss National Regulations : Article 13 Order on the protection of maternity (RS 822.111.52):  
 Pregnant women and breastfeeding mothers cannot come into contact with this product (this substance/this preparation) when working except where it has been established, on the basis of a risk analysis performed in accordance with Art. 63 OLT 1 (RS 822.111), that there is no concrete threat to the health of the mother or baby or that said threat can be excluded thanks to the suitable protection measures taken.  
 Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2):  
 Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18 years old are considered as young.

Storage class (LK) : LK 10/12 - Liquids  
 CH - VOC (SR 814.018) : 0.1825 %

### United Kingdom / Australia / New Zealand

Other information : This SDS is prepared in accordance with the model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

Please read instructions / label before using product.

#### EMERGENCY CONTACTS

Jasco Pty Ltd : 02 9807 1555  
 Police and Fire Brigade : 000  
 Poisons information centre : 13 11 26  
 Safety Data Sheet applicable regions : Australia

This SDS is prepared in accordance with the model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals. Supplied as permitted by New Zealand regulations; EPA Hazardous Substances (Safety Data Sheet) notice.

Please read instructions / label before using product.

#### EMERGENCY CONTACTS

Jasco Pty Ltd : 02 9807 1555  
 Poisons information centre : 0800 764 766 (0800 POISON)  
 Safety Data Sheet applicable regions : New Zealand.

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Full text of H- and EUH-statements:

Carc. 2	Carcinogenicity, Category 2
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.



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**Full text of H- and EUH-statements:**

H351	Suspected of causing cancer.
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Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**WINSOR & NEWTON CALLIGRAPHY INK P2****Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 19/01/2022 Revision date: 19/01/2022 Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : WINSOR & NEWTON CALLIGRAPHY INK P2  
Product group : Trade product  
Other means of identification : BLACK, BLUE BLACK, CRIMSON, DARK BLUE, GREEN, INDIAN RED, LEAF GREEN, LEMON YELLOW, LIGHT BLUE, SCARLET, SEPIA, VIOLET, WINSOR YELLOW, YELLOW OCHRE

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Consumer uses

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Supplier**

COLART EUROPE SAS SAS  
5 rue René Panhard 72021 Le Mans Cedex 2  
72021 LeMans  
France  
T +44 208 424 3270  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Other**

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The MediaWorks Building  
191 Wood Lane  
GB- W12 7FP London – London  
United Kingdom  
T 02084243200  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Distributor**

COLART UK LTD  
Goldthorn Road  
DY11 7JN Kidderminster – Worcestershire  
United Kingdom  
T +44 (0) 2084243200  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Manufacturer**

Colart France  
Zone Industrielle Nord 5 Rue René Panhard, +33 2 43 83 83 00  
Le Mans  
France  
[r.enquiries@colart.co.uk](mailto:r.enquiries@colart.co.uk)

**Distributor**

Jasco Pty (NZ) Limited  
5 Airpark Drive, Airport Oaks, Auckland Airport Auckland  
P.O. Box 107010

**Distributor**

JASCO  
1-5 Commercial Road Kingsgrove  
+61- NSW 2208 New South Wales  
T 029807 1555

**1.4. Emergency telephone number**

Emergency number : +33 2 43 83 83 00 (Monday- Thursday: 8:00-12:00 13:30-16:00 , Friday: 8:00-12:00 CET Language French); (+44) 2084243200 Monday-Friday: 9:00-17:00 GMT Language English)

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145 Westmead	13 11 26	
New Zealand	New Zealand National Poison Centre Dunedin School of Medicine, University of Otago	PO Box 56 Dunedin 9054	0800 764 766 (0800 POISON)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Child-resistant fastening : Not applicable  
 Tactile warning : Not applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
WINSOR & NEWTON CALLIGRAPHY INK P2	-	100	Not classified

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
 First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.  
 First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
 First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.  
 First-aid measures after ingestion : Rinse mouth out with water. In all cases of doubt, or when symptoms persist, seek medical attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Sand.  
 Unsuitable extinguishing media : Do not use a heavy water stream.

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EN (English)

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

Fire hazard : No fire hazard.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
 Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.  
 Incompatible products : Strong bases. Strong acids.  
 Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

Refer to section 1.2.1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

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### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

Additional information : No exposure limits exist for this material

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Avoid contact with eyes

#### 8.2.2.2. Skin protection

##### Hand protection:

Avoid contact with skin

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No respiratory protection needed under normal use conditions

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

##### Other information:

Do not eat, drink or smoke during use. Ensure there is adequate ventilation.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Various colours.
Appearance	: Liquid.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 100 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 9 – 10
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1 – 1.2
Relative vapour density at 20 °C	: Not available

19/01/2022 (Revision date)

EN (English)

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Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

No additional information available

**9.2.2. Other safety characteristics**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No additional information available

**10.2. Chemical stability**

No additional information available

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

No additional information available

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 9 – 10
Serious eye damage/irritation	: Not classified pH: 9 – 10
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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**11.2. Information on other hazards**

No additional information available

**SECTION 12: Ecological information**

**12.1. Toxicity**

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

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

No additional information available

**12.6. Endocrine disrupting properties**

No additional information available

**12.7. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

No additional information available

**SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
<b>14.1. UN number or ID number</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN
No supplementary information available			

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed



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**Switzerland**

Swiss National Regulations

- : Article 13 Order on the protection of maternity (RS 822.111.52):  
 Pregnant women and breastfeeding mothers cannot come into contact with this product (this substance/this preparation) when working except where it has been established, on the basis of a risk analysis performed in accordance with Art. 63 OLT 1 (RS 822.111), that there is no concrete threat to the health of the mother or baby or that said threat can be excluded thanks to the suitable protection measures taken.
- Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2):  
 Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18 years old are considered as young.

Storage class (LK)

- : LK 10/12 - Liquids

**United Kingdom / Australia / New Zealand**

Other information

- : This SDS is prepared in accordance with the model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, the product is not classified as dangerous.

Please read instructions / label before using product.

**EMERGENCY CONTACTS**

Jasco Pty Ltd	: 02 9807 1555
Police and Fire Brigade	: 000
Poisons information centre	: 13 11 26
Safety Data Sheet applicable regions	: Australia

This SDS is prepared in accordance with the model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, the product is not classified as dangerous. Supplied as permitted by New Zealand regulations; EPA Hazardous Substances (Safety Data Sheet) notice.

Please read instructions / label before using product.

**EMERGENCY CONTACTS**

Jasco Pty Ltd	: 02 9807 1555
Poisons information centre	: 0800 764 766 (0800 POISON)
Safety Data Sheet applicable regions	: New Zealand.

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

No additional information available

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.