

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : VERSAPASS® DG CYAN  
Applies To:

AstroNova P/N: 14808101,  
14808301, 30010001, 30010013,  
30010020, ATM10003577  
30030001, 30030006, 30030010

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture

: Inkjet printing

##### 1.2.2. Uses advised against

Restrictions on use : No additional information available

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

Memjet Ltd.  
61-62 Fitzwilliam Lane  
Dublin, Ireland  
T +353 1 678 0420 - F +1-858-798-3044  
[msds@memjet.com](mailto:msds@memjet.com) - [www.memjet.com](http://www.memjet.com)

#### 1.4. Emergency telephone number

Emergency number : For Hazardous Materials Incidents (spill, leak, fire, exposure, or accident) call:  
CHEMTREC: U.S. 1-800-424-9300 International: +1-703-527-3887  
CHEMTREC (24 HOURS)

| Country        | Organisation/Company   | Address                           | Emergency number | Comment |
|----------------|--|-----------------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road<br>B18 7QH Birmingham | 0344 892 0111    |         |

### SECTION 2: Hazards identification

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

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

Eye Dam. 1 H318  
Repr. 1B H360  
STOT RE 2 H373

Full text of hazard classes and H-statements : see section 16

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

Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : 2-pyrrolidone; Copper phthalocyanine derivative dye; Ethylene glycol

Hazard statements (CLP) : H318 - Causes serious eye damage.  
H360 - May damage fertility or the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe mist, spray.  
P280 - Wear eye protection, protective gloves.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER/doctor.  
P314 - Get medical advice/attention if you feel unwell.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
EUH-statements : EUH208 - Contains 1,2-benzisothiazolone(2634-33-5). May produce an allergic reaction.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 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]   |
|--|--|--------------------------------------|---|
| Water  | (CAS-No.) 7732-18-5<br>(EC-No.) 231-791-2                                | 70 - 75                              | Not classified  |
| Ethylene glycol                                  | (CAS-No.) 107-21-1<br>(EC-No.) 203-473-3<br>(EC Index-No.) 603-027-00-1  | 9 - 10                               | Acute Tox. 4 (Oral), H302<br>STOT RE 2, H373  |
| 2-pyrrolidone                                    | (CAS-No.) 616-45-5<br>(EC-No.) 210-483-1                                 | 7 - 9                                | Eye Irrit. 2, H319<br>Repr. 1B, H360  |
| Glycerol   | (CAS-No.) 56-81-5<br>(EC-No.) 200-289-5                                  | 3 - 5                                | Not classified  |
| Copper phthalocyanine derivative dye             | (CAS-No.) 569316-88-7<br>(EC-No.) 445-470-1                              | 3 - 5                                | Eye Dam. 1, H318  |
| 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate | (CAS-No.) 9014-85-1<br>(EC-No.) 500-022-5                                | 0.5 - 1                              | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412   |
| 1,2-benzisothiazolone                            | (CAS-No.) 2634-33-5<br>(EC-No.) 220-120-9<br>(EC Index-No.) 613-088-00-6 | 0.04                                 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 |
| <b>Specific concentration limits:</b>            |  |                                      |   |
| Name   | Product identifier   | Specific concentration limits        |   |
| 1,2-benzisothiazolone                            | (CAS-No.) 2634-33-5<br>(EC-No.) 220-120-9<br>(EC Index-No.) 613-088-00-6 | ( 0.05 =<C < 100) Skin Sens. 1, H317 |   |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

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

Symptoms/effects : Causes serious eye damage. May damage fertility. May damage the unborn child.

Symptoms/effects after inhalation : Inhalation may cause: irritation, coughing, shortness of breath.

Symptoms/effects after skin contact : No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin contact.

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|                                    |  |
|------------------------------------|--|
| Symptoms/effects after eye contact | : Causes serious eye damage.   |
| Symptoms/effects after ingestion   | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |

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

All treatments should be based on observed signs and symptoms of distress in the patient.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Carbon dioxide (CO <sub>2</sub> ), powder, alcohol-resistant foam, water fog. |
| Unsuitable extinguishing media | : None known.   |

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

|                  |  |
|------------------|--|
| Fire hazard      | : Not expected to be a fire/explosion hazard under normal conditions of use. |
| Explosion hazard | : Product is not explosive.  |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire. Use extinguishing media appropriate for surrounding fire.  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus. EN469. |

## SECTION 6: Accidental release measures

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

|                  |  |
|------------------|--|
| General measures | : Avoid all eye and skin contact and do not breathe vapour and mist. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Avoid contact with skin and eyes. Wear suitable gloves. Butyl rubber gloves. natural rubber gloves. |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak without risks if possible.                                |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Avoid all eye and skin contact and do not breathe vapour and mist. Wear suitable protective clothing and gloves. Butyl rubber. rubber. Use eye protection according to EN 166, designed to protect against liquid splashes. |
| Emergency procedures | : Stop leak if safe to do so.   |

### 6.2. Environmental precautions

Do not discharge into drains or the environment.

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

|                         |   |
|-------------------------|---|
| Methods for cleaning up | : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. |
|-------------------------|---|

### 6.4. Reference to other sections

Section 7: safe handling. Section 8: personal protective equipment. Section 13: disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Avoid all eye and skin contact and do not breathe vapour and mist. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Emptied container retains vapor and product residue. |
| Hygiene measures              | : Wash hands, forearms and face thoroughly after handling.   |

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

|                    |  |
|--------------------|--|
| Storage conditions | : Store in original container. Store away from heat. |
|--------------------|--|

### 7.3. Specific end use(s)

Inkjet printing.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Glycerol (56-81-5) |                              |                      |
|--------------------|------------------------------|----------------------|
| United Kingdom     | WEL TWA (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> |

| Ethylene glycol (107-21-1) |                                 |  |
|----------------------------|---------------------------------|--|
| EU                         | Local name                      | Ethylene glycol  |
| EU                         | IOELV TWA (mg/m <sup>3</sup> )  | 52 mg/m <sup>3</sup>   |
| EU                         | IOELV TWA (ppm)                 | 20 ppm   |
| EU                         | IOELV STEL (mg/m <sup>3</sup> ) | 104 mg/m <sup>3</sup>  |
| EU                         | IOELV STEL (ppm)                | 40 ppm   |
| United Kingdom             | WEL TWA (mg/m <sup>3</sup> )    | 52 mg/m <sup>3</sup> (vapour, Sk)<br>10 mg/m <sup>3</sup> (Sk) |
| United Kingdom             | WEL TWA (ppm)                   | 20 ppm (vapour, Sk)  |
| United Kingdom             | WEL STEL (mg/m <sup>3</sup> )   | 104 mg/m <sup>3</sup> (vapour, Sk)                             |
| United Kingdom             | WEL STEL (ppm)                  | 40 ppm (vapour, Sk)  |

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Avoid splashing. No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Butyl rubber gloves. natural rubber gloves. EN 374

##### Eye protection:

Use splash goggles when eye contact due to splashing is possible. EN 166

##### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

### SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| Physical state                                | : Liquid                                |
| Appearance                                    | : Blue. Liquid.                         |
| Colour  | : Blue.                                 |
| Odour   | : No data available                     |
| Odour threshold                               | : No data available                     |
| pH  | : 6.5 - 7.5                             |
| Relative evaporation rate (butylacetate=1)    | : No data available                     |
| Melting point                                 | : No data available                     |
| Freezing point                                | : No data available                     |
| Boiling point                                 | : > 90 °C                               |
| Flash point                                   | : > 93.3 °C (Pensky-Martens closed cup) |
| Auto-ignition temperature                     | : No data available                     |
| Decomposition temperature                     | : No data available                     |
| Flammability (solid, gas)                     | : No data available                     |
| Vapour pressure                               | : No data available                     |
| Relative vapour density at 20 °C              | : > 1 (Air = 1)                         |
| Relative density                              | : 1 - 1.1                               |
| Relative density of saturated gas/air mixture | : 1 - 1.1                               |
| Solubility                                    | : Soluble in water.                     |
| Log Pow                                       | : No data available                     |
| Viscosity, kinematic                          | : No data available                     |

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|                      |                     |
|----------------------|---------------------|
| Viscosity, dynamic   | : 1.7 - 2.1         |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Do not store with incompatible materials.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)     | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

#### 2-pyrrolidone (616-45-5)

|                            |              |
|----------------------------|--------------|
| LD50 oral rat              | 5000 mg/kg   |
| LD50 dermal rabbit         | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 20 mg/l/4h |

#### Glycerol (56-81-5)

|               |            |
|---------------|------------|
| LD50 oral rat | 5570 mg/kg |
|---------------|------------|

#### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

|                            |              |
|----------------------------|--------------|
| LD50 oral rat              | > 5000 mg/kg |
| LD50 dermal rat            | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 2 mg/l/4h  |

#### Copper phthalocyanine derivative dye (569316-88-7)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 2500 mg/kg |
|---------------|--------------|

#### Water (7732-18-5)

|   |             |
|---|-------------|
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 6 mg/l/4h |
|---|-------------|

#### Ethylene glycol (107-21-1)

|                 |                      |
|-----------------|----------------------|
| LD50 dermal rat | > 3500 mg/kg (mouse) |
|-----------------|----------------------|

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|   |   |
|---|---|
| LC50 inhalation rat (mg/l)                | > 2.5 mg/l/4h   |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 2.5 mg/l/4h   |
| Skin corrosion/irritation                 | : Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation             | : Causes serious eye damage.  |
| Respiratory or skin sensitisation         | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity                    | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity                           | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity                     | : May damage fertility or the unborn child.   |
| STOT-single exposure                      | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure                    | : May cause damage to organs through prolonged or repeated exposure.                |

### 2-pyrrolidone (616-45-5)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 207 mg/kg bodyweight/day The kidneys were the most affected organs. |
|----------------------------|---|

### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

|  |                      |
|--|----------------------|
| NOAEL (subacute, oral, animal/male, 28 days) | 200 mg/kg bodyweight |
|--|----------------------|

### Ethylene glycol (107-21-1)

|                            |                                 |
|----------------------------|---------------------------------|
| LOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight/day       |
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight/day kidney |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

### 2-pyrrolidone (616-45-5)

|                |   |
|----------------|---|
| LC50 fish 1    | > 4600 (4600 - 10000) mg/l 96 hr. Danio rerio |
| EC50 Daphnia 1 | > 500 mg/l                                    |
| ErC50 (algae)  | > 500 mg/l                                    |
| NOEC (acute)   | 4640 mg/l                                     |

### Glycerol (56-81-5)

|             |              |
|-------------|--------------|
| LC50 fish 1 | 68 - 72 mg/l |
|-------------|--------------|

### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

|                    |                               |
|--------------------|-------------------------------|
| LC50 fish 1        | 52.5 mg/l juvenile S. maximus |
| EC50 Daphnia 1     | 166 mg/l                      |
| ErC50 (algae)      | 15 mg/l                       |
| NOEC chronic algae | 1 mg/l                        |

### Copper phthalocyanine derivative dye (569316-88-7)

|                        |            |
|------------------------|------------|
| LC50 fish 1            | > 100 mg/l |
| EC50 Daphnia 1         | > 180 mg/l |
| NOEC chronic crustacea | 10 mg/l    |

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### Ethylene glycol (107-21-1)

|                        |                                |
|------------------------|--------------------------------|
| LC50 fish 1            | 72860 mg/l Pimephales promelas |
| EC50 Daphnia 1         | > 100 mg/l                     |
| NOEC chronic fish      | 15380 mg/l Pimephales promelas |
| NOEC chronic crustacea | 8590 mg/l Ceriodaphnia sp.     |

### 12.2. Persistence and degradability

#### 2-pyrrolidone (616-45-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

#### Glycerol (56-81-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

#### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

#### Copper phthalocyanine derivative dye (569316-88-7)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

### Ethylene glycol (107-21-1)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation                | > 60 % 28 d            |

### 12.3. Bioaccumulative potential

#### 2-pyrrolidone (616-45-5)

|                                     |                                |
|-------------------------------------|--------------------------------|
| Bioconcentration factor (BCF REACH) | 3.16                           |
| Log Pow                             | - 0.32                         |
| Bioaccumulative potential           | Not expected to bioaccumulate. |

#### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

|                                     |                                |
|-------------------------------------|--------------------------------|
| Bioconcentration factor (BCF REACH) | < 24                           |
| Bioaccumulative potential           | Not expected to bioaccumulate. |

### Ethylene glycol (107-21-1)

|                           |                                |
|---------------------------|--------------------------------|
| Log Pow                   | - 1.36                         |
| Bioaccumulative potential | Not expected to bioaccumulate. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### VERSAPASS® DG CYAN

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Do not dispose in household garbage. Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code : 08 03 13 - waste ink other than those mentioned in 08 03 12

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : Not regulated.

UN-No. (IMDG) : Not regulated.

UN-No. (IATA) : Not regulated.

UN-No. (ADN) : Not regulated.

UN-No. (RID) : Not regulated.

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated.

Proper Shipping Name (IMDG) : Not regulated.

Proper Shipping Name (IATA) : Not regulated.

Proper Shipping Name (ADN) : Not regulated.

Proper Shipping Name (RID) : Not regulated.

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not regulated.

##### IMDG

Transport hazard class(es) (IMDG) : Not regulated.

##### IATA

Transport hazard class(es) (IATA) : Not regulated.

##### ADN

Transport hazard class(es) (ADN) : Not regulated.

##### RID

Transport hazard class(es) (RID) : Not regulated.

#### 14.4. Packing group

Packing group (ADR) : Not regulated.

Packing group (IMDG) : Not regulated.

Packing group (IATA) : Not regulated.

Packing group (ADN) : Not regulated.

Packing group (RID) : Not regulated.

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Not regulated.

##### Transport by sea

Not regulated.

##### Air transport

Not regulated.

##### Inland waterway transport

Not regulated.



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### Rail transport

Not regulated.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

|  |   |
|--|---|
| The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:   |   |
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008   | VERSAPASS® DG CYAN - 2-pyrrolidone - 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate - Ethylene glycol |
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | VERSAPASS® DG CYAN - 2-pyrrolidone - 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate - Ethylene glycol |
| 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   | 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate  |

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.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

Other information, restriction and prohibition regulations

: Contains no substances on the IPCC Water List. Contains no substances on the IPCC Air List. Annex XVII is not applicable for any constituents under the defined use. Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes: |   |          |          |
|------------------------|---|----------|----------|
| Section                | Changed item  | Change   | Comments |
| 2.1                    | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified |          |
| 2.2                    | Precautionary statements (CLP)                                  | Modified |          |
| 2.2                    | Hazard statements (CLP)   | Modified |          |
| 2.2                    | EUH-statements  | Added    |          |
| 3                      | Composition/information on ingredients                          | Modified |          |
| 4.2                    | Symptoms/effects  | Modified |          |
| 13.1                   | European List of Waste (LoW) code                               | Added    |          |

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| Abbreviations and acronyms:   |  |
|---|--|
| ATE: Acute Toxicity Estimate  |  |
| CAS (Chemical Abstracts Service) number   |  |
| DNEL: Derived No Effect Level   |  |
| EC50: Environmental Concentration associated with a response by 50% of the test population. |  |
| GHS: Globally Harmonized System (of Classification and Labeling of Chemicals)               |  |
| IPPC: Integrated Pollution Prevention and Control   |  |
| LD50: Lethal Dose for 50% of the test population  |  |
| NOEC: No Observable Effect Concentration  |  |
| PNEC: Predicted No Effect Level   |  |
| OSHA: Occupational Safety & Health Administration   |  |
| PBT: Persistent, Bioaccumulative, Toxic   |  |
| STEL: Short Term Exposure Limits  |  |
| TSCA: Toxic Substances Control Act  |  |
| TWA: Time Weighted Average  |  |

Data sources : Chemical Inspection & Regulation Service; accessed at: [http://www.cirs-reach.com/Inventory/Global\\_Chemical\\_Inventories.html](http://www.cirs-reach.com/Inventory/Global_Chemical_Inventories.html).  
European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>.  
European Standards: Personal Protective Equipment; accessed at: [http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/personal-protective-equipment/index\\_en.htm](http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/personal-protective-equipment/index_en.htm).  
Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition.  
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
US National Library of Medicine National Institutes of Health Haz-Map. Accessed at <http://hazmap.nlm.nih.gov>.

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                  |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1    |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                      |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                      |
| Repr. 1B                            | Reproductive toxicity, Category 1B                                 |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                              |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                     |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2     |
| H302                                | Harmful if swallowed.  |
| H315                                | Causes skin irritation.  |
| H317                                | May cause an allergic skin reaction.                               |
| H318                                | Causes serious eye damage.   |
| H319                                | Causes serious eye irritation.                                     |
| H360                                | May damage fertility or the unborn child.                          |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H400                                | Very toxic to aquatic life.  |

# VERSAPASS® DG CYAN

## Safety Data Sheet

according to Regulation (EU) 2015/830

|        |  |
|--------|--|
| H412   | Harmful to aquatic life with long lasting effects.                           |
| EUH208 | Contains 1,2-benzisothiazolone(2634-33-5). May produce an allergic reaction. |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|            |      |                    |
|------------|------|--------------------|
| Eye Dam. 1 | H318 | Calculation method |
| Repr. 1B   | H360 | Calculation method |
| STOT RE 2  | H373 | Calculation method |

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*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.*