VERSAPASS® DA-W v2 Cyan

Safety Data Sheet

According to ICOP 2014
Issue date: 25/8/2025 Version: 1.0

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Trade name : VERSAPASS® DA-W v2 Cyan
Name : VERSAPASS® DA-W v2 Cyan

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Ink for printing
Restrictions on use : No additional information available

1.4. Supplier details

Supplier
Memjet Ltd.
14 Montague Lane
Dublin 2, D02 PX60
Ireland
+353 1 678 0420
msds@memjet.com
www.memjet.com

Importer

1.5. Emergency phone number

Emergency number : CHEMTREC Primary Phone Numbers (24 hours): U.S. 1-800-424-9300, International: +1-703-527-3887, Local : +60 3-9212 5794

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Skin sensitisation, Category 1 H317

2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Hazard pictograms (GHS MY) :



Signal word (GHS MY) : Warning
Contains : 1,2-benzisothiazol-3(2H)-one
Hazard statements (GHS MY) : H317 - May cause an allergic skin reaction
Precautionary statements (GHS MY) : P280 - Wear protective gloves, protective clothing
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards that do not result in classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)
Ethylene glycol	CAS-No.: 107-21-1	5 - 10	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Glycerine	CAS-No.: 56-81-5	3 - 5	Not classified
Sodium hydroxide	CAS-No.: 1310-73-2	< 0.5	Skin Corr. 1A, H314
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5	< 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First-aid measures

4.1. Description of necessary 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. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

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

Symptoms/effects after skin contact : May cause an allergic skin reaction. Rednesses. Itching. Swelling. Allergic skin rash.

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

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

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Dry powder. Carbon dioxide. Water spray. Foam. Use extinguishing agent suitable for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Physicochemical hazards arising from the chemical

Fire hazard : Presents no particular fire or explosion hazard. Burning produces stinking and toxic fumes. In case of fire and/or explosion do not breathe fumes.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for fire fighters

Firefighting instructions : Evacuate the danger area. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Fight fire from safe distance and protected location. Use extinguishing media appropriate for surrounding fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing. Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

General measures : Avoid all contact with skin, eyes, or clothing.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours. Do not touch or walk on the spilled product. No action shall be taken without appropriate training or involving any personal risk.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Caution : this product can cause the floor to be slippery.

Methods for cleaning up : Move containers from spill area. Recover small spills with a suitable absorbent, like diatomaceous earth. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Ventilate spillage area. Clean contaminated surfaces with an excess of water. Prevent entry to sewers and public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Ensure good ventilation of the work station. Provide local exhaust or general room ventilation. Do not breathe vapours. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

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, Strong oxidizers, Store in a dry place. Keep away from food, drink and animal feedingstuffs. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in accordance with local, regional, national or international regulation.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Ethylene glycol (107-21-1)	
Malaysia - Occupational Exposure Limits	
Local name	Etilena glikol, aerosol # Ethylene glycol, aerosol
PEL (OEL C)	39.4 mg/m³
	100 ppm

Glycerine (56-81-5)	
Malaysia - Occupational Exposure Limits	
Local name	Kabus gliserin # Glycerin mist
PEL (OEL TWA)	10 mg/m³
MEL (mg/m³)	30 mg/m³

Sodium hydroxide (1310-73-2)	
Malaysia - Occupational Exposure Limits	
Local name	Natrium hidroksida # Sodium hydroxide
PEL (OEL C)	2 ppm

Exposure limit values for the other components

No additional information available

8.1.1 Biological monitoring

Monitoring methods : Refer to all applicable national, international and local regulations or provisions.

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Ensure exposure is below occupational exposure limits (where available). Handle in accordance with good industrial hygiene and safety procedures. Avoid all unnecessary exposure.

8.3. Individual protection measures, such as PPE

Personal protective equipment:
Wear recommended personal protective equipment.

Hand protection:
Wear suitable gloves resistant to chemical penetration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:
Even though no specific eye irritation data are available, wear eye protection appropriate to conditions of use when handling this material

Skin and body protection:
Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided

Respiratory protection:
No respiratory protection needed under normal use conditions. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

Environmental exposure controls : Avoid release to the environment. Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil.

SECTION 9: Physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available
Colour	:	Blue
Odour	:	No data available
Odour threshold	:	No data available
pH	:	6 – 8
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Explosive limits	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	1 – 1.1
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	2 – 4 mPa·s (25 °C)

SECTION 10: Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport,No dangerous reactions known
Chemical stability	:	Stable under normal conditions of use
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use,Hazardous polymerisation:Will not occur
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7),Protect from sunlight,Overheating,Extremely high or low temperatures
Incompatible materials	:	Oxidising agents
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Ethylene glycol (107-21-1)	
LD50 dermal rat	> 3500 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 2.5 mg/l/4h
LC50 Inhalation - Rat (Vapours)	> 2.5 mg/l/4h

Glycerine (56-81-5)	
LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

Glycerine (56-81-5)	
LC50 Inhalation - Rat (Vapours)	> 2 mg/l/4h

Skin corrosion or irritation : Not classified.
pH: 6 – 8

Serious eye damage or eye irritation : Not classified

Respiratory sensitization : Not classified

Skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (STOT) – single exposure : Not classified

Specific target organ toxicity (STOT) – repeated exposure : Not classified

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)
Specific target organ toxicity (STOT) – repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 12: Ecological information

12.1. Ecotoxicity

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

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

Ethylene glycol (107-21-1)	
LC50 - Fish [1]	72860 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	> 100 mg/l (Daphnia magna)
NOEC (chronic)	≥ 1000 mg/l (23 d, Americamysis bahia)

Glycerine (56-81-5)	
LC50 - Fish [1]	54000 mg/l (96 h, Oncorhynchus mykiss)

Sodium hydroxide (1310-73-2)	
EC50 - Crustacea [1]	40 mg/l

12.2. Persistence and degradability

VERSAPASS® DA-W v2 Cyan	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

VERSAPASS® DA-W v2 Cyan	
Bioaccumulative potential	No data available concerning bioaccumulation.

12.4. Mobility in soil

VERSAPASS® DA-W v2 Cyan	
Mobility in soil	No additional information available
Ecology - soil	No additional information available.

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available.

SECTION 13: Disposal information

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not dispose of waste into sewer.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological waste information : Avoid release to the environment.

SECTION 14: Transportation information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
Not regulated for transport		
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing Group, if applicable		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not applicable

14.7. Special precautions for user

UN RTDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

VERSAPASS® DA-W v2 Cyan		
Regulation		**Component/ Mixture**
EHS Notification and Registration Scheme	Not applicable	VERSAPASS® DA-W v2 Cyan
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993		VERSAPASS® DA-W v2 Cyan
Environmental Quality (Industrial Effflluent) Regulations 2009		VERSAPASS® DA-W v2 Cyan
Environmental Quality (Scheduled Wastes) Regulations 2007		VERSAPASS® DA-W v2 Cyan
Control of Industrial Major Accident Hazards Regulations 1996		VERSAPASS® DA-W v2 Cyan
Prohibition of Use of Substance Order 1999		VERSAPASS® DA-W v2 Cyan
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000		VERSAPASS® DA-W v2 Cyan
Chemical Weapons Convention Act		VERSAPASS® DA-W v2 Cyan
Corrosive and Explosive Substances and Offensive Weapons Act	Corrosive and explosive substance	Sodium hydroxide
Dangerous Drugs Act	Not applicable	VERSAPASS® DA-W v2 Cyan
Pesticides Act		VERSAPASS® DA-W v2 Cyan
Petroleum (Safety Measures) Act		VERSAPASS® DA-W v2 Cyan
Poisons Act 1952	Poisons List part I - Group C substance	Sodium hydroxide
	Poisons List part II substance	Sodium hydroxide
Poisons (Psychotropic Substances) Regulations 1989	Not applicable	VERSAPASS® DA-W v2 Cyan

15.2. International agreements

No additional information available

SECTION 16: Other information

Version : 1.0
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Training advice : Training staff on good practice.

Full text of H-statements	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage or eye irritation, Category 1
Skin Corr. 1A	Skin corrosion or irritation, Category 1A
Skin Irrit. 2	Skin corrosion or irritation, Category 2

Full text of H-statements	
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
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

Safety Data Sheet (SDS), Malaysia

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.