

## VILLACRYL OPAKER PRIMER

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

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

- 1.1. Product identifier** VILLACRYL OPAKER PRIMER  
 Substance / mixture mixture  
 Number MpV210L2  
 UFI U4K0-R08Y-K00W-DEXT  
 Other mixture names  
 UFI: U4K0-R08Y-K00W-DEXT, V210L2 Villacryl Opaker Pprimer 12ml
- 1.2. Relevant identified uses of the substance or mixture and uses advised against Mixture's intended use**

**Main intended use**

PC-INK-4 Pressroom chemicals

**Mixture uses advised against**

The product should not be used in ways other than those referred in Section 1.

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

**1.4. Emergency telephone number**

European emergency number: 112

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 2, H225  
 Eye Irrit. 2, H319  
 STOT SE 3, H336

Full text of all classifications and hazard statements is given in the section 16.

**Most serious adverse physico-chemical effects**

Highly flammable liquid and vapour.

**Most serious adverse effects on human health and the environment**

Causes serious eye irritation. May cause drowsiness or dizziness.

**2.2. Label elements**

**Hazard pictogram**



**Signal word**

Danger

**Hazardous substances**

propan-2-ol

**Hazard statements**

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P403+P235 Store in a well-ventilated place. Keep cool.

## VILLACRYL OPAKER PRIMER

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

- P405 Store locked up.
- P501 Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

**Requirements for child-resistant fastenings and tactile warning of danger**

Container must carry a tactile warning of danger.

**2.3. Other hazards**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers  | Substance name                       | Content in % weight | Classification according to Regulation (EC) No 1272/2008     | Note |
|---|--------------------------------------|---------------------|--|------|
| Index: 603-117-00-0<br>CAS: 67-63-0<br>EC: 200-661-7<br>Registration number:<br>01-2119457558-25        | propan-2-ol                          | >95                 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336  |      |
| Index: 603-117-00-0<br>CAS: 2530-85-0<br>EC: 219-785-8<br>Registration number:<br>01-2119457558-25-XXXX | 3-trimethoxysilylpropyl methacrylate | <1,5                | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335 |      |

Full text of all classifications and hazard statements is given in the section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

**If on skin**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

**If swallowed**

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

**VILLACRYL OPAKER PRIMER**

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

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

May cause drowsiness or dizziness.

**If on skin**

Not expected.

**If in eyes**

Causes serious eye irritation.

**If swallowed**

Irritation, nausea.

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

Symptomatic treatment.

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

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

**Unsuitable extinguishing media**

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

**5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

**6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

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

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

## VILLACRYL OPAKER PRIMER

Creation date 07th November 2023  
Revision date Version 2.0

| Content | Packaging type | Material of package |
|---------|----------------|---------------------|
| 12 ml   | bottle         | GL                  |

Storage class 3 - Flammable liquids  
Storage temperature min 23 °C, max 27 °C

### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

### 7.3. Specific end use(s)

Liquid component of the material for masking metal elements of dentures and dental crowns Villacryl Opaque

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

#### Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

#### Thermal hazard

Data not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

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

|  |                        |
|--|------------------------|
| Physical state   | liquid                 |
| Colour   | colourless             |
| Odour  | typical of alcohol     |
| Melting point/freezing point                             | data not available     |
| Boiling point or initial boiling point and boiling range | data not available     |
| Flammability   | data not available     |
| Lower and upper explosion limit                          |                        |
| bottom   | 3.4 %                  |
| upper  | 18.4 %                 |
| Flash point  | 22 °C                  |
| Auto-ignition temperature                                | 480 °C                 |
| Decomposition temperature                                | data not available     |
| pH   | data not available     |
| Kinematic viscosity                                      | data not available     |
| Solubility in water                                      | data not available     |
| Partition coefficient n-octanol/water (log value)        | data not available     |
| Vapour pressure  | data not available     |
| propan-2-ol (CAS: 67-63-0)                               | 43 hPa at 20 °C        |
| Density and/or relative density                          |                        |
| Density  | 0.9 g/cm <sup>3</sup>  |
| propan-2-ol (CAS: 67-63-0)                               | 0.79 g/cm <sup>3</sup> |
| Relative vapour density                                  | data not available     |

## VILLACRYL OPAKER PRIMER

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

9.2. **Other information**  
 Particle characteristics: data not available  
 not available

### SECTION 10: Stability and reactivity

- 10.1. Reactivity**  
not available
- 10.2. Chemical stability**  
The product is stable under normal conditions.
- 10.3. Possibility of hazardous reactions**  
Unknown.
- 10.4. Conditions to avoid**  
The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.
- 10.5. Incompatible materials**  
Protect against strong acids, bases and oxidizing agents.
- 10.6. Hazardous decomposition products**  
Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

### SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**  
 Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

**Acute toxicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| propan-2-ol        |           |          |             |               |         |     |
|--------------------|-----------|----------|-------------|---------------|---------|-----|
| Route of exposure  | Parameter | Method   | Value       | Exposure time | Species | Sex |
| Inhalation (vapor) | LC50      | OECD 403 | > 10000 ppm | 6 hours       | Rat     | F/M |

**Skin corrosion/irritation**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

| propan-2-ol       |                    |          |               |         |
|-------------------|--------------------|----------|---------------|---------|
| Route of exposure | Result             | Method   | Exposure time | Species |
| Eye               | Serious eye damage | OECD 405 |               | Rabbit  |

**Respiratory or skin sensitisation**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| propan-2-ol       |                 |               |            |     |
|-------------------|-----------------|---------------|------------|-----|
| Route of exposure | Result          | Exposure time | Species    | Sex |
|                   | Not sensitizing |               | Guinea-pig | F/M |

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

## VILLACRYL OPAKER PRIMER

Creation date 07th November 2023  
 Revision date Version 2.0

### Germ cell mutagenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| propan-2-ol   |               |                       |            |     |
|---|---------------|-----------------------|------------|-----|
| Result  | Exposure time | Specific target organ | Species    | Sex |
| Negative without metabolic activation, Negative with metabolic activation |               | Ovary                 | Guinea-pig | F/M |

### Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness. Data for the components of the mixture are not available.

### Toxicity for specific target organ - repeated exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| propan-2-ol        |           |         |        |                         |     |
|--------------------|-----------|---------|--------|-------------------------|-----|
| Route of exposure  | Parameter | Value   | Result | Species                 | Sex |
| Inhalation (vapor) | NOEC      | 500 ppm |        | Rat (Rattus norvegicus) | F/M |

### Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

## 11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 12: Ecological information

### 12.1. Toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

#### Acute toxicity

| propan-2-ol      |             |               |                         |             |
|------------------|-------------|---------------|-------------------------|-------------|
| Parameter        | Value       | Exposure time | Species                 | Environment |
| EC <sub>50</sub> | >10000 mg/l | 48 hours      | Daphnia (Daphnia magna) |             |
| LC <sub>50</sub> | 9640 mg/l   | 96 hours      | Fish                    | Fresh water |

### 12.2. Persistence and degradability

No data are available for either the mixture or the components.

### 12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

## VILLACRYL OPAKER PRIMER

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

**12.4. Mobility in soil**

No data are available for either the mixture or the components.

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

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6. Endocrine disrupting properties**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**12.7. Other adverse effects**

Data not available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Waste type code**

16 03 03 inorganic wastes containing hazardous substances \*

**Packaging waste type code**

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\* ) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

**SECTION 14: Transport information**

**14.1. UN number or ID number**

UN 1219

**14.2. UN proper shipping name**

ISOPROPANOL

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

3 Flammable liquids

**14.4. Packing group**

II - substances presenting medium danger

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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

not relevant

**Additional information**

Hazard identification No.

33

UN number

1219

Classification code

F1

Safety signs

3



## VILLACRYL OPAKER PRIMER

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

### Air transport - ICAO/IATA

|                                  |     |
|----------------------------------|-----|
| Packaging instructions passenger | 353 |
| Cargo packaging instructions     | 364 |

### Marine transport - IMDG

|                      |          |
|----------------------|----------|
| EmS (emergency plan) | F-E, S-D |
| MFAG                 | 305      |

## SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

not available

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation.             |
| H319 | Causes serious eye irritation.      |
| H335 | May cause respiratory irritation.   |
| H336 | May cause drowsiness or dizziness.  |

### Guidelines for safe handling used in the safety data sheet

|           |  |
|-----------|--|
| P101      | If medical advice is needed, have product container or label at hand.  |
| P102      | Keep out of reach of children.   |
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                 |
| P403+P235 | Store in a well-ventilated place. Keep cool.   |
| P405      | Store locked up.   |
| P501      | Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier. |

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

|                  |   |
|------------------|---|
| ADR              | European agreement concerning the international carriage of dangerous goods by road               |
| BCF              | Bioconcentration Factor   |
| CAS              | Chemical Abstracts Service  |
| CLP              | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC               | Identification code for each substance listed in EINECS   |
| EC <sub>50</sub> | Concentration of a substance when it is affected 50% of the population                            |
| EINECS           | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS              | Emergency plan  |
| EU               | European Union  |
| EuPCS            | European Product Categorisation System  |
| IATA             | International Air Transport Association   |
| IBC              | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| ICAO             | International Civil Aviation Organization   |



# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

## VILLACRYL OPAKER PRIMER

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 07th November 2023 | Version | 2.0 |
| Revision date |                    |         |     |

|                     |   |
|---------------------|---|
| IMDG                | International Maritime Dangerous Goods  |
| IMO                 | International Maritime Organization   |
| INCI                | International Nomenclature of Cosmetic Ingredients  |
| ISO                 | International Organization for Standardization  |
| IUPAC               | International Union of Pure and Applied Chemistry   |
| LC <sub>50</sub>    | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| log K <sub>ow</sub> | Octanol-water partition coefficient   |
| NOEC                | No observed effect concentration  |
| OEL                 | Occupational Exposure Limits  |
| PBT                 | Persistent, Bioaccumulative and Toxic   |
| ppm                 | Parts per million   |
| REACH               | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID                 | Agreement on the transport of dangerous goods by rail   |
| UN                  | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB                | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC                 | Volatile organic compounds  |
| vPvB                | Very Persistent and very Bioaccumulative  |
| Eye Irrit.          | Eye irritation  |
| Flam. Liq.          | Flammable liquid  |
| Skin Irrit.         | Skin irritation   |
| STOT SE             | Specific target organ toxicity - single exposure  |

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

Version 2.0 replaces the SDS version from 05/20/2021. Data updates and changes have been made to all sections of the SDS.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.