

**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** Psychotropic Medication 1, Mobile Phase II - 4065 P PS1

**Other means of identification:**

Non-applicable

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

Relevant uses: In vitro diagnostic. For industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

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

Diagnotix B.V.  
De Plassen 4  
9903 SE Appingedam - The Netherlands  
Phone: +31 (0) 596 201062  
info@diagnotix.com  
www.diagnotix.com

**1.4 Emergency telephone number:** 112

## SECTION 2: HAZARDS IDENTIFICATION \*\*

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 3: Acute toxicity, Category 3, H311+H331

Flam. Liq. 2: Flammable liquids, Category 2, H225

STOT SE 1: Specific target organ toxicity — single exposure, Hazard Category 1, H370

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

Danger

**Hazard statements:**

Acute Tox. 3: H311+H331 - Toxic in contact with skin or if inhaled.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

STOT SE 1: H370 - Causes damage to organs.

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Substances that contribute to the classification**

methanol

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

\*\* Changes with regards to the previous version

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- CONTINUED ON NEXT PAGE -



**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

**3.1 Substance:**  
Non-applicable

**3.2 Mixture:**  
**Chemical description:** Mixture of substances

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification   | Chemical name/Classification   | Concentration            |
|--|--|--------------------------|
| CAS: 67-56-1<br>EC: 200-659-6<br>Index: 603-001-00-X<br>REACH: 01-2119433307-44-XXXX | <b>methanol</b> <sup>1</sup><br>Regulation 1272/2008<br>Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger | ATP CLP00<br>75 - <100 % |
| CAS: 64-18-6<br>EC: 200-579-1<br>Index: 607-001-00-0<br>REACH: 01-2119491174-37-XXXX | <b>Formic acid</b> <sup>2</sup><br>Regulation 1272/2008<br>Skin Corr. 1A: H314 - Danger  | ATP CLP00<br><1 %        |

<sup>1</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830  
<sup>2</sup> Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

Request medical assistance immediately, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Request medical assistance immediately, showing the SDS of this product. Induce vomiting (ONLY IF PERSON IS CONSCIOUS!) and then ingest large quantities of liquid to dilute the toxin. Keep the person affected at rest.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

- CONTINUED ON NEXT PAGE -

**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

## SECTION 5: FIREFIGHTING MEASURES (continued)

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:****A.- General precautions for safe use**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

**B.- Technical recommendations for the prevention of fires and explosions**

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

- CONTINUED ON NEXT PAGE -



**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

**SECTION 7: HANDLING AND STORAGE (continued)**

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

A.- Technical measures for storage

Minimum Temp.: 2 °C

Maximum Temp.: 8 °C

Maximum time: 48 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification                            |              | Occupational exposure limits |           |  |
|---|--------------|------------------------------|-----------|--|
| methanol<br>CAS: 67-56-1 EC: 200-659-6    | IOELV (8h)   | 200 ppm                      | 260 mg/m³ |  |
|   | IOELV (STEL) |                              |           |  |
| Formic acid<br>CAS: 64-18-6 EC: 200-579-1 | IOELV (8h)   | 5 ppm                        | 9 mg/m³   |  |
|   | IOELV (STEL) |                              |           |  |

**DNEL (Workers):**

| Identification                               |            | Short exposure |                | Long exposure  |                |
|--|------------|----------------|----------------|----------------|----------------|
|  |            | Systemic       | Local          | Systemic       | Local          |
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | Oral       | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
|  | Dermal     | 20 mg/kg       | Non-applicable | 20 mg/kg       | Non-applicable |
|  | Inhalation | 130 mg/m³      | 130 mg/m³      | 130 mg/m³      | 130 mg/m³      |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | Oral       | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
|  | Dermal     | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
|  | Inhalation | Non-applicable | Non-applicable | Non-applicable | 9,5 mg/m³      |

**DNEL (General population):**

| Identification                               |            | Short exposure |                | Long exposure  |                |
|--|------------|----------------|----------------|----------------|----------------|
|  |            | Systemic       | Local          | Systemic       | Local          |
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | Oral       | 4 mg/kg        | Non-applicable | 4 mg/kg        | Non-applicable |
|  | Dermal     | 4 mg/kg        | Non-applicable | 4 mg/kg        | Non-applicable |
|  | Inhalation | 26 mg/m³       | 26 mg/m³       | 26 mg/m³       | 26 mg/m³       |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | Oral       | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
|  | Dermal     | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
|  | Inhalation | Non-applicable | Non-applicable | Non-applicable | 3 mg/m³        |

**PNEC:**

- CONTINUED ON NEXT PAGE -



**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification                               |              |                |                         |            |
|--|--------------|----------------|-------------------------|------------|
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | STP          | 100 mg/L       | Fresh water             | 20,8 mg/L  |
|  | Soil         | 100 mg/kg      | Marine water            | 2,08 mg/L  |
|  | Intermittent | 1540 mg/L      | Sediment (Fresh water)  | 77 mg/kg   |
|  | Oral         | Non-applicable | Sediment (Marine water) | 7,7 mg/kg  |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | STP          | 7,2 mg/L       | Fresh water             | 2 mg/L     |
|  | Soil         | 1,5 mg/kg      | Marine water            | 0,2 mg/L   |
|  | Intermittent | 1 mg/L         | Sediment (Fresh water)  | 13,4 mg/kg |
|  | Oral         | Non-applicable | Sediment (Marine water) | 1,34 mg/kg |

**8.2 Exposure controls:**

A.- Individual protection measures, such as personal protective equipment



In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



| Pictogram   | PPE                               | Labelling   | CEN Standard        | Remarks  |
|---|-----------------------------------|---|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands





| Pictogram  | PPE   | Labelling   | CEN Standard        | Remarks  |
|--|---|---|---------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.5 mm) |  | EN 420:2004+A1:2010 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram  | PPE         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield |  | EN 166:2002<br>EN 167:2002<br>EN 168:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection



| Pictogram   | PPE   | Labelling   | CEN Standard  | Remarks   |
|---|---|---|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN ISO 13287:2013<br>EN ISO 20345:2011<br>EN 13832-1:2019   | Replace boots at any sign of deterioration.   |

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

F.- Additional emergency measures

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                           |
|---------------------------|---------------------------|
| V.O.C. (Supply):          | 95 % weight               |
| V.O.C. density at 20 °C:  | 761,19 kg/m³ (761,19 g/L) |
| Average carbon number:    | 1                         |
| Average molecular weight: | 32 g/mol                  |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |                  |
|--------------------------|------------------|
| Physical state at 20 °C: | Liquid           |
| Appearance:              | Not available    |
| Colour:                  | Not available    |
| Odour:                   | Not available    |
| Odour threshold:         | Non-applicable * |

**Volatility:**

|  |                        |
|--|------------------------|
| Boiling point at atmospheric pressure: | 66 °C                  |
| Vapour pressure at 20 °C:              | 11894 Pa               |
| Vapour pressure at 50 °C:              | 51399,66 Pa (51,4 kPa) |
| Evaporation rate at 20 °C:             | Non-applicable *       |

**Product description:**

|  |                  |
|--|------------------|
| Density at 20 °C:                            | 801,2 kg/m³      |
| Relative density at 20 °C:                   | 0,801            |
| Dynamic viscosity at 20 °C:                  | 0,61 cP          |
| Kinematic viscosity at 20 °C:                | 0,76 mm²/s       |
| Kinematic viscosity at 40 °C:                | Non-applicable * |
| Concentration:                               | Non-applicable * |
| pH:  | Non-applicable * |
| Vapour density at 20 °C:                     | Non-applicable * |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable * |
| Solubility in water at 20 °C:                | Non-applicable * |
| Solubility properties:                       | Non-applicable * |
| Decomposition temperature:                   | Non-applicable * |
| Melting point/freezing point:                | Non-applicable * |

**Flammability:**

\*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point: 18 °C  
 Flammability (solid, gas): Non-applicable \*  
 Autoignition temperature: 464 °C  
 Lower flammability limit: Not available  
 Upper flammability limit: Not available

**Particle characteristics:**

Median equivalent diameter: Non-applicable

**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties: Non-applicable \*  
 Oxidising properties: Non-applicable \*  
 Corrosive to metals: Non-applicable \*  
 Heat of combustion: Non-applicable \*  
 Aerosols-total percentage (by mass) of flammable components: Non-applicable \*

**Other safety characteristics:**

Surface tension at 20 °C: Non-applicable \*  
 Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -



**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

**A- Ingestion (acute effect):**

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**B- Inhalation (acute effect):**

- Acute toxicity : Inhalation after prolonged exposure may be lethal.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**C- Contact with the skin and the eyes (acute effect):**

- Contact with the skin: Can be fatal if the product is absorbed through the skin. For more information on the secondary effects of skin contact see section 2.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**F- Specific target organ toxicity (STOT) - single exposure:**

Its ingestion, inhalation or absorption through the skin results in the risk of serious irreversible effects caused by a single exposure, excluding effects which are carcinogenic, mutagenic or toxic for reproduction.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification | Acute toxicity  |              | Genus  |
|----------------|-----------------|--------------|--------|
| methanol       | LD50 oral       | >5000 mg/kg  | Rat    |
| CAS: 67-56-1   | LD50 dermal     | 300 mg/kg    | Rabbit |
| EC: 200-659-6  | LC50 inhalation | 3 mg/L (4 h) | Rat    |





SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

| Identification                               | Concentration | Species           | Genus                            |
|--|---------------|-------------------|----------------------------------|
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | LC50          | 15400 mg/L (96 h) | Lepomis macrochirus<br>Fish      |
|  | EC50          | 12000 mg/L (96 h) | Nitrocras spinipes<br>Crustacean |
|  | EC50          | 530 mg/L (168 h)  | Microcystis aeruginosa<br>Algae  |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | LC50          | 175 mg/L (24 h)   | Lepomis macrochirus<br>Fish      |
|  | EC50          | 120 mg/L (48 h)   | Daphnia magna<br>Crustacean      |
|  | EC50          | 26,9 mg/L (72 h)  | Scenedesmus subspicatus<br>Algae |

Chronic toxicity:

| Identification                            | Concentration | Species        | Genus                       |
|---|---------------|----------------|-----------------------------|
| methanol<br>CAS: 67-56-1 EC: 200-659-6    | NOEC          | 15800 mg/L     | Oryzias latipes<br>Fish     |
|   | NOEC          | 122 mg/L       | Daphnia magna<br>Crustacean |
| Formic acid<br>CAS: 64-18-6 EC: 200-579-1 | NOEC          | Non-applicable |                             |
|   | NOEC          | 100 mg/L       | Daphnia magna<br>Crustacean |

12.2 Persistence and degradability:

| Identification                               | Degradability |                | Biodegradability |          |
|--|---------------|----------------|------------------|----------|
|  |               |                |                  |          |
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|  | COD           | 1,42 g O2/g    | Period           | 14 days  |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 92 %     |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|  | COD           | Non-applicable | Period           | 14 days  |
|  | BOD5/COD      | Non-applicable | % Biodegradable  | 110 %    |

12.3 Bioaccumulative potential:

| Identification                               | Bioaccumulation potential |       |
|--|---------------------------|-------|
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | BCF                       | 3     |
|  | Pow Log                   | -0.77 |
|  | Potential                 | Low   |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | BCF                       | 3     |
|  | Pow Log                   | -0.54 |
|  | Potential                 | Low   |

12.4 Mobility in soil:



SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification                               | Absorption/desorption |                      | Volatility |                |
|--|-----------------------|----------------------|------------|----------------|
| methanol<br>CAS: 67-56-1<br>EC: 200-659-6    | Koc                   | Non-applicable       | Henry      | Non-applicable |
|  | Conclusion            | Non-applicable       | Dry soil   | Non-applicable |
|  | Surface tension       | 2,355E-2 N/m (25 °C) | Moist soil | Non-applicable |
| Formic acid<br>CAS: 64-18-6<br>EC: 200-579-1 | Koc                   | Non-applicable       | Henry      | Non-applicable |
|  | Conclusion            | Non-applicable       | Dry soil   | Non-applicable |
|  | Surface tension       | 3,862E-2 N/m (25 °C) | Moist soil | Non-applicable |

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code      | Description  | Waste class (Regulation (EU) No 1357/2014) |
|-----------|--|--|
| 16 05 06* | laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals | Dangerous                                  |

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



- 14.1 UN number: UN1230
- 14.2 UN proper shipping name: METHANOL
- 14.3 Transport hazard class(es): 3
- Labels: 3, 6.1
- 14.4 Packing group: II
- 14.5 Environmental hazards: No
- 14.6 Special precautions for user
  - Special regulations: 279
  - Tunnel restriction code: D/E
  - Physico-Chemical properties: see section 9
  - Limited quantities: 1 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable



Transport of dangerous goods by sea:

With regard to IMDG 39-18:





**Psychotropic Medication 1, Mobile Phase II - 4065 P PS1**

SECTION 14: TRANSPORT INFORMATION (continued)

-   **14.1 UN number:** UN1230
- 14.2 UN proper shipping name:** METHANOL
- 14.3 Transport hazard class(es):** 3  
Labels: 3, 6.1
- 14.4 Packing group:** II
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**  
Special regulations: 279  
EmS Codes: F-E, S-D  
Physico-Chemical properties: see section 9  
Limited quantities: 1 L  
Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2022:

-   **14.1 UN number:** UN1230
- 14.2 UN proper shipping name:** METHANOL
- 14.3 Transport hazard class(es):** 3  
Labels: 3, 6.1
- 14.4 Packing group:** II
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Formic acid.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Formic acid (Product-type 2, 3, 4, 5, 6)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

| Section | Description   | Lower-tier requirements | Upper-tier requirements |
|---------|---|-------------------------|-------------------------|
| H2      | ACUTE TOXIC   | 50                      | 200                     |
| H3      | STOT SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 50                      | 200                     |
| P5c     | FLAMMABLE LIQUIDS                                     | 5000                    | 50000                   |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

- CONTINUED ON NEXT PAGE -



## Psychotropic Medication 1, Mobile Phase II - 4065 P PS1

### SECTION 15: REGULATORY INFORMATION (continued)

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation:

The product could be affected by sectorial legislation

#### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

### SECTION 16: OTHER INFORMATION \*\*

#### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

#### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements
- Precautionary statements

#### Texts of the legislative phrases mentioned in section 2:

H370: Causes damage to organs.  
 H311+H331: Toxic in contact with skin or if inhaled.  
 H225: Highly flammable liquid and vapour.

#### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

#### CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.  
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
 Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.  
 STOT SE 1: H370 - Causes damage to organs.

#### Classification procedure:

STOT SE 1: Calculation method  
 Acute Tox. 3: Calculation method  
 Flam. Liq. 2: Calculation method (2.6.4.3)

#### Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

#### Principal bibliographical sources:

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

#### Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road  
 IMDG: International maritime dangerous goods code  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 COD: Chemical Oxygen Demand  
 BOD5: 5day biochemical oxygen demand  
 BCF: Bioconcentration factor  
 LD50: Lethal Dose 50  
 LC50: Lethal Concentration 50  
 EC50: Effective concentration 50  
 LogPOW: Octanolwater partition coefficient  
 Koc: Partition coefficient of organic carbon  
 UFI: unique formula identifier  
 IARC: International Agency for Research on Cancer

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -