



## Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

#### 1.1. Product identifier

Code: **MP40.70.00**  
Product name: **CONCENTRATED SB PIGMENT PASTE BLUE**  
UFI: **KED0-Q0S2-800Q-YHH3**

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

| Identified Uses  | Industrial | Professional | Consumer |
|--|------------|--------------|----------|
| <b>VARNISHING PRODUCTS FOR DECORATION / COVERING WOOD MANUFACTURED</b> | ✓          | ✓            | -        |

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

Name: **ADLER SRL**  
Full address: **Via Calabria, 6 - Fraz. Osteria Grande**  
District and Country: **40024 Castel San Pietro Terme (BO) Italy**  
Tel.: **+39 051 945107**  
Fax: **+39 051 946516**  
e-mail address of the competent person responsible for the Safety Data Sheet: **sds@adleronline.it**

#### 1.4. Emergency telephone number

For urgent inquiries refer to **For any requirement contact +39051945107 in working time.**

### SECTION 2. Hazards identification

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

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

##### Hazard classification and indication:

|  |      |                                    |
|--|------|------------------------------------|
| Flammable liquid, category 3                                 | H226 | Flammable liquid and vapour.       |
| Eye irritation, category 2                                   | H319 | Causes serious eye irritation.     |
| Skin irritation, category 2                                  | H315 | Causes skin irritation.            |
| Specific target organ toxicity - single exposure, category 3 | H336 | May cause drowsiness or dizziness. |

#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: **Warning**

Hazard statements:  
**H226** Flammable liquid and vapour.  
**H319** Causes serious eye irritation.



### SECTION 2. Hazards identification ... / >>

**H315** Causes skin irritation.  
**H336** May cause drowsiness or dizziness.

#### Precautionary statements:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P280** Wear protective gloves/ protective clothing / eye protection / face protection.  
**P370+P378** In case of fire: Use FOAM, CO<sub>2</sub>, POWDER AND WATER-FOG to extinguish.  
**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P312** Call a POISON CENTRE / doctor if you feel unwell.  
**P403+P233** Store in a well-ventilated place. Keep container tightly closed.

**Contains:** 1-METHOXY-2-PROPANOL

Product not intended for uses provided for by Directive 2004/42/EC.

### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

### SECTION 3. Composition/information on ingredients

#### 3.2. Mixtures

Contains:

| Identification              | x = Conc. %      | Classification (EC) 1272/2008 (CLP)  |
|-----------------------------|------------------|--|
| <b>1-METHOXY-2-PROPANOL</b> |                  |  |
| CAS                         | 107-98-2         | $60 \leq x < 65$ <b>Flam. Liq. 3 H226, STOT SE 3 H336</b>  |
| EC                          | 203-539-1        |  |
| INDEX                       | 603-064-00-3     |  |
| REACH Reg.                  | 01-2119457435-35 |  |
| <b>2-BUTOXYETHANOL</b>      |                  |  |
| CAS                         | 111-76-2         | $18,1 \leq x < 19,4$ <b>Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315</b><br><b>LD50 Oral: 1200 mg/kg, STA Inhalation vapours: 11 mg/l</b> |
| EC                          | 203-905-0        |  |
| INDEX                       | 603-014-00-0     |  |
| REACH Reg.                  | 01-2119475108-36 |  |
| <b>2-METHOXYPROPANOL</b>    |                  |  |
| CAS                         | 1589-47-5        | $0,1 \leq x < 0,15$ <b>Flam. Liq. 3 H226, Repr. 1B H360D, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335</b>  |
| EC                          | 216-455-5        |  |
| INDEX                       | 603-106-00-0     |  |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.

**INHALATION:** Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

**INGESTION:** Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available



## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

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

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.



### SECTION 7. Handling and storage ... / >>

#### 7.3. Specific end use(s)

Information not available

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory References:

|     |                 |  |
|-----|-----------------|--|
| BGR | България        | НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)   |
| CZE | Česká Republika | Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů   |
| DEU | Deutschland     | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56  |
| ESP | España          | Límites de exposición profesional para agentes químicos en España 2021   |
| FRA | France          | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS   |
| GRC | Ελλάδα          | Π.Δ. 26/2020 (ΦΕΚ 50/Α΄ 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία"» |
| HRV | Hrvatska        | Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemičkim tvarima na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)  |
| ITA | Italia          | Decreto Legislativo 9 Aprile 2008, n.81  |
| LTU | Lietuva         | Jsakymas dėl lietuvis higienos normos hn 23:2011 „cheminių medžiagų profesinio poveikio ribiniai dydžiai. Matavimo ir poveikio vertinimo bendrieji reikalavimai“ patvirtinimo  |
| LVA | Latvija         | Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)  |
| NLD | Nederland       | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit  |
| PRT | Portugal        | Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos  |
| POL | Polska          | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy  |
| ROU | România         | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006  |
| SVN | Slovenija       | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)  |
| GBR | United Kingdom  | EH40/2005 Workplace exposure limits (Fourth Edition 2020)  |
| EU  | OEL EU          | Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.  |
|     | TLV-ACGIH       | ACGIH 2021   |



# ADLER SRL

MP40.70.00 - CONCENTRATED SB PIGMENT PASTE BLUE

Revision nr.3  
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Page n. 5 / 13  
Replaced revision:2 (Dated 28/12/2020)

EN

## SECTION 8. Exposure controls/personal protection ... / >>

### 1-METHOXY-2-PROPANOL

#### Threshold Limit Value

| Type      | Country | TWA/8h            |       | STEL/15min        |        | Remarks / Observations |
|-----------|---------|-------------------|-------|-------------------|--------|------------------------|
|           |         | mg/m <sup>3</sup> | ppm   | mg/m <sup>3</sup> | ppm    |                        |
| TLV       | BGR     | 375               | 100   | 568               | 150    | SKIN                   |
| TLV       | CZE     | 270               | 72,09 | 550               | 146,85 | SKIN                   |
| AGW       | DEU     | 370               | 100   | 740               | 200    |                        |
| MAK       | DEU     | 370               | 100   | 740               | 200    |                        |
| VLA       | ESP     | 375               | 100   | 568               | 150    | SKIN                   |
| VLEP      | FRA     | 188               | 50    | 375               | 100    | SKIN                   |
| TLV       | GRC     | 360               | 100   | 1080              | 300    |                        |
| GVI/KGVI  | HRV     | 375               | 100   | 568               | 150    |                        |
| VLEP      | ITA     | 375               | 100   | 568               | 150    | SKIN                   |
| RD        | LTU     | 190               | 50    | 300               | 75     | SKIN                   |
| RV        | LVA     | 375               | 100   | 568               | 150    | SKIN                   |
| TGG       | NLD     | 375               | 100   | 563               | 150    | SKIN                   |
| VLE       | PRT     | 375               | 100   | 568               | 150    |                        |
| NDS/NDSch | POL     | 180               |       | 360               |        | SKIN                   |
| TLV       | ROU     | 375               | 100   | 568               | 150    | SKIN                   |
| MV        | SVN     | 375               | 100   | 568               | 150    | SKIN                   |
| WEL       | GBR     | 375               | 100   | 560               | 150    | SKIN                   |
| OEL       | EU      | 375               | 100   | 568               | 150    | SKIN                   |
| TLV-ACGIH |         | 184               | 50    | 368               | 100    |                        |

#### Predicted no-effect concentration - PNEC

|  |      |       |
|--|------|-------|
| Normal value in fresh water                  | 10   | mg/l  |
| Normal value in marine water                 | 1    | mg/l  |
| Normal value for fresh water sediment        | 100  | mg/l  |
| Normal value for marine water sediment       | 5,2  | mg/kg |
| Normal value for the terrestrial compartment | 5,49 | mg/kg |

#### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               | Chronic systemic          | Effects on workers         |                |               |                          |
|-------------------|----------------------|----------------|---------------|---------------------------|----------------------------|----------------|---------------|--------------------------|
|                   | Acute local          | Acute systemic | Chronic local |                           | Acute local                | Acute systemic | Chronic local | Chronic systemic         |
| Oral              |                      |                |               | 3,3<br>mg/kg              |                            |                |               |                          |
| Inhalation        |                      |                |               | 43,9<br>mg/m <sup>3</sup> | 553,5<br>mg/m <sup>3</sup> |                |               | 369<br>mg/m <sup>3</sup> |
| Skin              |                      |                |               | 18,1<br>mg/kg             |                            |                |               | 50,6<br>mg/kg            |



### SECTION 8. Exposure controls/personal protection ... / >>

#### 2-BUTOXYETHANOL

##### Threshold Limit Value

| Type      | Country | TWA/8h            |      | STEL/15min        |        | Remarks / Observations |
|-----------|---------|-------------------|------|-------------------|--------|------------------------|
|           |         | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> | ppm    |                        |
| TLV       | BGR     | 98                | 20   | 246               | 50     | SKIN                   |
| TLV       | CZE     | 100               | 20,4 | 200               | 40,8   | SKIN                   |
| AGW       | DEU     | 49                | 10   | 98 (C)            | 20 (C) | SKIN                   |
| MAK       | DEU     | 49                | 10   | 98                | 20     | SKIN Hinweis           |
| VLA       | ESP     | 98                | 20   | 245               | 50     | SKIN                   |
| VLEP      | FRA     | 49                | 10   | 246               | 50     | SKIN                   |
| TLV       | GRC     | 120               | 25   |                   |        |                        |
| GVI/KGVI  | HRV     | 98                | 20   | 246               | 50     | SKIN                   |
| VLEP      | ITA     | 98                | 20   | 246               | 50     | SKIN                   |
| RD        | LTU     | 50                | 10   | 100               | 20     | SKIN                   |
| RV        | LVA     | 98                | 20   | 246               | 50     | SKIN                   |
| TGG       | NLD     | 100               |      | 246               |        | SKIN                   |
| VLE       | PRT     | 98                | 20   | 246               | 50     | SKIN                   |
| NDS/NDSch | POL     | 98                |      | 200               |        | SKIN                   |
| TLV       | ROU     | 98                | 20   | 246               | 50     | SKIN                   |
| MV        | SVN     | 98                | 20   | 246               | 50     | SKIN                   |
| WEL       | GBR     | 123               | 25   | 246               | 50     | SKIN                   |
| OEL       | EU      | 98                | 20   | 246               | 50     | SKIN                   |
| TLV-ACGIH |         | 97                | 20   |                   |        |                        |

##### Predicted no-effect concentration - PNEC

|  |      |       |
|--|------|-------|
| Normal value in fresh water                  | 8,8  | mg/l  |
| Normal value in marine water                 | 0,88 | mg/l  |
| Normal value for fresh water sediment        | 34,6 | mg/kg |
| Normal value for marine water sediment       | 3,46 | mg/kg |
| Normal value of STP microorganisms           | 463  | mg/l  |
| Normal value for the terrestrial compartment | 2,33 | mg/kg |

##### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
 VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

| Properties                             | Value           | Information   |
|--|-----------------|---|
| Appearance                             | liquid          |   |
| Colour                                 | see section 1.1 |   |
| Odour                                  | characteristic  |   |
| Melting point / freezing point         | Not available   |   |
| Initial boiling point                  | > 35 °C         |   |
| Flammability                           | Not available   |   |
| Lower explosive limit                  | Not available   |   |
| Upper explosive limit                  | Not available   |   |
| Flash point                            | 32 °C           |   |
| Auto-ignition temperature              | Not available   |   |
| pH                                     | Not available   | Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture) |
| Kinematic viscosity                    | Not available   |   |
| Solubility                             | Not available   |   |
| Partition coefficient: n-octanol/water | Not available   |   |
| Vapour pressure                        | Not available   |   |
| Density and/or relative density        | 0,97 +/- 0,02   |   |
| Relative vapour density                | Not available   |   |
| Particle characteristics               | Not applicable  |   |

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

Information not available

**9.2.2. Other safety characteristics**

|                              |         |          |         |
|------------------------------|---------|----------|---------|
| Total solids (250°C / 482°F) | 20,25 % |          |         |
| VOC (Directive 2010/75/EU)   | 79,63 % | - 772,39 | g/litre |
| VOC (volatile carbon)        | 43,91 % | - 425,90 | g/litre |

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

There are no particular risks of reaction with other substances in normal conditions of use.

**1-METHOXY-2-PROPANOL**

Dissolves various plastic materials.Stable in normal conditions of use and storage.

Absorbs and dissolves in water and in organic solvents. With air it may slowly form explosive peroxides.

**2-BUTOXYETHANOL**

Decomposes under the effect of heat.

**10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

The vapours may also form explosive mixtures with the air.

**1-METHOXY-2-PROPANOL**

May react dangerously with: strong oxidising agents,strong acids.

**2-BUTOXYETHANOL**

May react dangerously with: aluminium,oxidising agents.Forms peroxides with: air.

**10.4. Conditions to avoid**

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

**1-METHOXY-2-PROPANOL**

Avoid exposure to: air.



### SECTION 10. Stability and reactivity ... / >>

#### 2-BUTOXYETHANOL

Avoid exposure to: sources of heat, naked flames.

#### 10.5. Incompatible materials

#### 1-METHOXY-2-PROPANOL

Incompatible with: oxidising substances, strong acids, alkaline metals.

#### 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

#### 2-BUTOXYETHANOL

May develop: hydrogen.

### SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

#### 1-METHOXY-2-PROPANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### 1-METHOXY-2-PROPANOL

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product. Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported.

##### Interactive effects

Information not available

##### ACUTE TOXICITY

|  |   |
|--|---|
| ATE (Inhalation - vapours) of the mixture: | > 20 mg/l                                 |
| ATE (Oral) of the mixture:                 | >2000 mg/kg                               |
| ATE (Dermal) of the mixture:               | Not classified (no significant component) |

#### 1-METHOXY-2-PROPANOL

|                            |                    |
|----------------------------|--------------------|
| LD50 (Oral):               | 5300 mg/kg Rat     |
| LD50 (Dermal):             | 13000 mg/kg Rabbit |
| LC50 (Inhalation vapours): | 54,6 mg/l/4h Rat   |

#### 2-BUTOXYETHANOL

|                            |  |
|----------------------------|--|
| LD50 (Oral):               | 1200 mg/kg Guinea pig  |
| LC50 (Inhalation vapours): | 2,2 mg/l/4h Rat  |
| STA (Inhalation vapours):  | 11 mg/l estimate from table 3.1.2 of Annex I of the CLP<br>(figure used for calculation of the acute toxicity estimate of the mixture) |

##### SKIN CORROSION / IRRITATION

Causes skin irritation

##### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation





### SECTION 11. Toxicological information ... / >>

#### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

#### Respiratory sensitization

Information not available

#### Skin sensitization

Information not available

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

#### Adverse effects on sexual function and fertility

Information not available

#### Adverse effects on development of the offspring

Information not available

#### Effects on or via lactation

Information not available

#### STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

#### Target organs

Information not available

#### Route of exposure

Information not available

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### Target organs

Information not available

#### Route of exposure

Information not available

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

#### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

**12.1. Toxicity**

Information not available

**12.2. Persistence and degradability**

2-BUTOXYETHANOL  
Solubility in water 1000 - 10000 mg/l  
Rapidly degradable

1-METHOXY-2-PROPANOL  
Solubility in water 1000 - 10000 mg/l  
Rapidly degradable

**12.3. Bioaccumulative potential**

2-BUTOXYETHANOL  
Partition coefficient: n-octanol/water 0,81

1-METHOXY-2-PROPANOL  
Partition coefficient: n-octanol/water < 1

**12.4. Mobility in soil**

Information not available

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information****14.1. UN number or ID number**

ADR / RID, IMDG, IATA: 1263



### SECTION 14. Transport information ... / >>

#### 14.2. UN proper shipping name

ADR / RID: PAINT  
 IMDG: PAINT  
 IATA: PAINT

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

ADR / RID: Class: 3 Label: 3



IMDG: Class: 3 Label: 3



IATA: Class: 3 Label: 3



#### 14.4. Packing group

ADR / RID, IMDG, IATA: III

#### 14.5. Environmental hazards

ADR / RID: NO  
 IMDG: NO  
 IATA: NO

#### 14.6. Special precautions for user

|            |                                  |                         |                                |
|------------|----------------------------------|-------------------------|--------------------------------|
| ADR / RID: | HIN - Kemler: 30                 | Limited Quantities: 5 L | Tunnel restriction code: (D/E) |
|            | Special provision: 163, 367, 650 |                         |                                |
| IMDG:      | EMS: F-E, S-E                    | Limited Quantities: 5 L |                                |
| IATA:      | Cargo:                           | Maximum quantity: 220 L | Packaging instructions: 366    |
|            | Pass.:                           | Maximum quantity: 60 L  | Packaging instructions: 355    |
|            | Special provision:               | A3, A72, A192           |                                |

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

Information not relevant

### SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

| Product             |                      |
|---------------------|----------------------|
| Point               | 3 - 40               |
| Contained substance |                      |
| Point               | 75                   |
| Point               | 30 2-METHOXYPROPANOL |

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors  
 Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

**SECTION 15. Regulatory information ... / >>**

Substances subject to the Rotterdam Convention:  
None

Substances subject to the Stockholm Convention:  
None

**Healthcare controls**

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

**SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                      |  |
|----------------------|--|
| <b>Flam. Liq. 3</b>  | Flammable liquid, category 3                                 |
| <b>Repr. 1B</b>      | Reproductive toxicity, category 1B                           |
| <b>Acute Tox. 4</b>  | Acute toxicity, category 4                                   |
| <b>Eye Dam. 1</b>    | Serious eye damage, category 1                               |
| <b>Eye Irrit. 2</b>  | Eye irritation, category 2                                   |
| <b>Skin Irrit. 2</b> | Skin irritation, category 2                                  |
| <b>STOT SE 3</b>     | Specific target organ toxicity - single exposure, category 3 |
| <b>H226</b>          | Flammable liquid and vapour.                                 |
| <b>H360D</b>         | May damage the unborn child.                                 |
| <b>H302</b>          | Harmful if swallowed.  |
| <b>H332</b>          | Harmful if inhaled.  |
| <b>H318</b>          | Causes serious eye damage.                                   |
| <b>H319</b>          | Causes serious eye irritation.                               |
| <b>H315</b>          | Causes skin irritation.                                      |
| <b>H335</b>          | May cause respiratory irritation.                            |
| <b>H336</b>          | May cause drowsiness or dizziness.                           |

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**



ADLER

# ADLER SRL

**MP40.70.00 - CONCENTRATED SB PIGMENT PASTE BLUE**

Revision nr.3  
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EN

## SECTION 16. Other information ... / >>

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

### Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 09 / 11 / 12 / 14 / 15 / 16.