

1 Identification

- **Product identifier**
 - *Product number* PG10
 - *Trade name:* **SB CONC DE WHITE**
 - *Application of the substance / the mixture* For professional use
- **Details of the supplier of the safety data sheet**
 - *Manufacturer/Supplier:*
IVM Chemicals Srl
Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441
 - *Information department:*
Environmental Health and safety office
hseoffice@ivmchemicals.com
 - *Emergency telephone number:*
ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

- **Classification of the substance or mixture**

Flammable Liquids 2	H225 Highly flammable liquid and vapor.
Sensitization - Skin 1	H317 May cause an allergic skin reaction.
Toxic to Reproduction 2	H361 Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure 3H336 May cause drowsiness or dizziness.

· Label elements

- *GHS label elements*
The product is classified and labeled according to the Globally Harmonized System (GHS).

- *Hazard pictograms*



GHS02 GHS07 GHS08

- *Signal word* Danger

- *Hazard-determining components of labeling:*

1-methoxy-2-propanol
maleic anhydride
2-methoxy-1-methylethyl acetate
propan-2-ol

- *Hazard statements*

H225 Highly flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.

- *Precautionary statements*

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

107-98-2	1-methoxy-2-propanol ⚠ Flammable Liquids 3, H226 ⚠ Specific Target Organ Toxicity - Single Exposure 3, H336	20-24.99%
108-65-6	2-methoxy-1-methylethyl acetate ⚠ Flammable Liquids 3, H226 ⚠ Specific Target Organ Toxicity - Single Exposure 3, H336	5-9.99%
67-63-0	propan-2-ol ⚠ Flammable Liquids 2, H225 ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	1-2.49%
77-99-6	propylidynetrimethanol ⚠ Toxic to Reproduction 2, H361	≥0.1-<0.5%
108-31-6	maleic anhydride ⚠ Sensitization - Respiratory 1, H334 ⚠ Skin Corrosion 1B, H314 ⚠ Acute Toxicity - Oral 4, H302; Sensitization - Skin 1, H317	≥0.001-<0.1%

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

personal protective equipment for first aid responders is recommended. (please see section 8)

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

Allergic reactions

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For symptoms and effects caused by substances, refer to Section 11.
 · **Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents:

Alcohol resistant foam

Alcohol resistant foam, CO, powder, water spray/mist.

· For safety reasons unsuitable extinguishing agents:

Do not use a jet water stream as it may scatter and spread fire.

· Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

· Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

· Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

· Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to Section 13.

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:

13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	30 mg/m
107-98-2	1-methoxy-2-propanol	100 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
67-63-0	propan-2-ol	400 ppm

· PAC-2:

13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	330 mg/m
107-98-2	1-methoxy-2-propanol	160 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
67-63-0	propan-2-ol	2000* ppm

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· PAC-3:		
13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	2,000 mg/m
107-98-2	1-methoxy-2-propanol	660 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
67-63-0	propan-2-ol	12000** ppm

7 Handling and storage

· Handling:

· Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- Protect against electrostatic charges.
- Keep respiratory protective device available.
- Use explosion-proof apparatus / fittings and spark-proof tools.

· Information about protection against explosions and fires:

- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

- Store in a cool, well-ventilated area, away from heat and sources of ignition
- Provide solvent resistant, sealed floor.
- Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.
- In cases where there is no reported expiration date, it means that the product must be used within 8 months.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

107-98-2 1-methoxy-2-propanol	
REL	Short-term value: 540 mg/m , 150 ppm Long-term value: 360 mg/m , 100 ppm
TLV	Short-term value: 100 ppm Long-term value: 50 ppm A4

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108-65-6 2-methoxy-1-methylethyl acetate

WEEL Long-term value: 50 ppm

67-63-0 propan-2-ol

PEL Long-term value: 980 mg/m , 400 ppm
 REL Short-term value: 1225 mg/m , 500 ppm
 Long-term value: 980 mg/m , 400 ppm
 TLV Short-term value: 400 ppm
 Long-term value: 200 ppm
 BEI, A4

108-31-6 maleic anhydride

PEL Long-term value: 1 mg/m , 0.25 ppm
 REL Long-term value: 1 mg/m , 0.25 ppm
 TLV Long-term value: 0.01* mg/m
 DSEN, RSEN,*inh. fraction + vapor, A4

· **Ingredients with biological limit values:****67-63-0 propan-2-ol**

BEI 40 mg/L
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Acetone (background, nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Pregnant women should strictly avoid inhalation or skin contact.

· **Breathing equipment:**

Short term filter device:



Suitable respiratory protective device recommended.

Filter A

· **Protection of hands:**

Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product .

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- **Form:** Fluid
- **Color:** According to product specification
- **Odor:** Strong
- **Odor threshold:** Not determined.

· **pH-value:** Mixture is non-polar/aprotic.

· Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 82 °C (179.6 °F)

· **Flash point:** 11 °C (51.8 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 425 °C (797 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

- **Lower:** 1.5 Vol %
- **Upper:** ~20 Vol %

· **Vapor pressure at 20 °C (68 °F):** 43 hPa (32.3 mm Hg)

· **Density (+/- 0,03) at 20 °C (68 °F):** 1.533 g/cm (12.793 lbs/gal)

- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.

· Solubility in / Miscibility with

· **Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

- **Dynamic:** Not determined.
- **Kinematic at 20 °C (68 °F):** 40 s (ISO 4 mm)

· **Oxidising properties:** N.A.

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· Solvent content:		
· VOC content:	33.38 %	
	511.7 g/l / 4.27 lb/gal	
· Solids content:		66.2 %
· Other information (HAPS)		
108-31-6	maleic anhydride	≥0.001-<0.1%
· Other information		No further relevant information available.

10 Stability and reactivity

- **Reactivity** typical of the product as indicated in the data sheet
- **Chemical stability** The product is stable in normal conditions of storage and use recommended
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Vapours may form explosive mixtures with air
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Acids, alkalis and oxidizing agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
107-98-2 1-methoxy-2-propanol		
Oral	LD50	4,016 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (rabbit)
Inhalative	LC50/4 h	5,001 mg/l (mouse)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	8,532 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (rabbit)
Inhalative	LC50/4 h	35.7 mg/l (mouse)
67-63-0 propan-2-ol		
Oral	LD50	4,710 mg/kg (mouse)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	72.6 mg/l (mouse)
77-99-6 propylidynetrimechanol		
Oral	LD50	14,700 mg/kg (mouse)
Dermal	LD50	10,001 mg/kg (mouse)
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	6,801 mg/kg (mouse)
Dermal	LD50	3,401 mg/kg (rab)
Inhalative	LC50/4 h	20.1 mg/l (mouse)
108-31-6 maleic anhydride		
Oral	LD50	1,090 mg/kg (mouse)

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Dermal	LD50	2,620 mg/kg (rabbit)
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- **Primary irritant effect:**

- *on the skin:* No irritant effect.

- *on the eye:* No irritating effect.

- *Sensitization:* Sensitization possible through skin contact.

- **Additional toxicological information:**

- Irritant**

- May cause an allergic skin reaction.

- Suspected of damaging fertility or the unborn child.

- May cause drowsiness or dizziness.

- Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

- **Carcinogenic categories**

- Titanium dioxide

- IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

- **IARC (International Agency for Research on Cancer - Cl. 1 and 2)**

13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	2B - DUST
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- **NTP (National Toxicology Program)**

- None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

- None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

- 107-98-2 1-methoxy-2-propanol**

EC50	21,100 mg/l (daphnia) (48 h)
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LC50 (96h)	6,812 mg/l (Fish)
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- 108-65-6 2-methoxy-1-methylethyl acetate**

EC50	1,001 mg/l (algae) (72 h)
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	501 mg/l (daphnia) (48 h)
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LC50 (96h)	134 mg/l (Fish)
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- 67-63-0 propan-2-ol**

EC50	1,001 mg/l (algae) (72 h)
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	10,000 mg/l (daphnia) (24 h)
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LC50 (96h)	9,640 mg/l (Fish)
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- 77-99-6 propylidynetrimethanol**

EC50	1,001 mg/l (algae) (72h)
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	13,000 mg/l (daphnia) (48h)
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LC50 (96h)	1,001 mg/l (Fish)
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- 64742-95-6 Solvent naphtha (petroleum), light arom.**

EC50	1 mg/l (algae) (72 h)
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LC50 (96h)	1 mg/l (daphnia) (48 h) 1 mg/l (Fish)
108-31-6 maleic anhydride	
EC50	29 mg/l (algae) (72 h) 42.8 mg/l (daphnia) (48 h)
LC50 (96h)	75 mg/l (Fish)

· **Persistence and degradability** No further relevant information available.

· **Substances Easily biodegradable**

107-98-2	1-methoxy-2-propanol	.
108-65-6	2-methoxy-1-methylethyl acetate	.
67-63-0	propan-2-ol	.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· DOT, IMDG, IATA

UN1263

· **Note**

Check viscosity and flash point at section 9

· **UN proper shipping name**

· DOT

Paint

· IMDG, IATA

PAINT

· **Transport hazard class(es)**

· DOT




· **Class**

3 Flammable liquids

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· Label	3
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user Warning: Flammable liquids	
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E, S-E
· Stowage Category	B
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.	
· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, II

15 Regulatory information

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

Requirements of Federal Register

- Various regulations
- SARA

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings) :

67-63-0	propan-2-ol	1-2.49%
7664-38-2	phosphoric acid	<0.1%
108-31-6	maleic anhydride	≥0.001-<0.1%

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

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· Hazardous Air Pollutants	
108-31-6	maleic anhydride

· **Proposition 65**· **Chemicals known to cause cancer:**

Titanium dioxide only in bound form

13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	only for Dust	40-49.99%
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· **Chemicals known to cause reproductive toxicity for females:**

1589-47-5	2-methoxypropanol	<0.1%
70657-70-4	2-methoxypropyl acetate	<0.1%

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	A4
67-63-0	propan-2-ol	A4
108-31-6	maleic anhydride	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	40-49.99%
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· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** IVM Chemicals Srl

- **Contact:** See emergency phone

- **Date of preparation / last revision** 08/15/2022 / 79

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

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PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flammable Liquids 2: Flammable liquids . Category 2
Flammable Liquids 3: Flammable liquids . Category 3
Acute Toxicity - Oral 4: Acute toxicity . Category 4
Skin Corrosion 1B: Skin corrosion/irritation . Category 1B
Eye Irritation 2A: Serious eye damage/eye irritation . Category 2A
Sensitization - Respiratory 1: Respiratory sensitisation . Category 1
Sensitization - Skin 1: Skin sensitisation . Category 1
Toxic to Reproduction 2: Reproductive toxicity . Category 2
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) . Category 3
• Sources
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments

Agency ECHA web site

INRS Fiche Toxicologique

IARC International agency for research on cancer

• * Data compared to the previous version altered.

US