

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/17/2020

Reviewed on 04/04/2019

## 1 Identification

- . **Product identifier**
- . **Trade name:** CoronaShield® P 8001
- . **Article number:** 112281
- . **Application of the substance / the mixture** Coating compound/ Surface coating/ paint
- . **Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**  
Von Roll Schweiz AG  
Passwangstrasse 20  
4226 Breitenbach  
Schweiz
- . **Information department:**  
Product Safety Department  
e-mail: [sds.breitenbach@vonroll.com](mailto:sds.breitenbach@vonroll.com)
- . **Emergency telephone number:** 24 hours emergency number +41 61 785 54 25

## 2 Hazard(s) identification

- . **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 1A H350 May cause cancer.

- . **Label elements**
- . **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- . **Hazard pictograms** GHS02, GHS08
- . **Signal word** Danger

- . **Hazard-determining components of labeling:**

ethanol

- . **Hazard statements**

H225 Highly flammable liquid and vapor.

H350 May cause cancer.

- . **Precautionary statements**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.

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P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- . **Classification system**
- . **NFPA ratings (scale 0-4)**



Health = 0  
Fire = 3  
Reactivity = 0

- . **Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- . **Chemical characterization: Mixtures**
- . **Description:** Mixture of the substances listed below with nonhazardous additions.

### . **Dangerous components:**

64-17-5	ethanol
108-10-1	4-methylpentan-2-one

- . **Additional information** For the wording of the listed hazard phrases refer to section 16.

## 4 First-aid measures

- . **Description of first aid measures**
- . **General information** Immediately remove any clothing soiled by the product.
- . **After inhalation** Supply fresh air; consult doctor in case of complaints.
- . **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** Call a doctor immediately.
- . **Information for doctor**
- . **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- . **Extinguishing media**
- . **Suitable extinguishing agents** CO2, sand, extinguishing powder. Do not use water.
- . **For safety reasons unsuitable extinguishing agents** Water with full jet.
- . **Special hazards arising from the substance or mixture** No further relevant information available.
- . **Advice for firefighters**
- . **Protective equipment:** Mount respiratory protective device.

## 6 Accidental release measures

- . **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.

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- . **Environmental precautions:** No special measures required.
- . **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- . **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.

## 7 Handling and storage

- . **Handling**
- . **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- . **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- . **Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- . **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)** No further relevant information available.

## 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:

#### 64-17-5 ethanol

PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm

#### 108-10-1 4-methylpentan-2-one

PEL	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm Long-term value: 82 mg/m <sup>3</sup> , 20 ppm
BEI	

### Ingredients with biological limit values:

#### 108-10-1 4-methylpentan-2-one

BEI	1 mg/L Medium: urine Time: end of shift Parameter: MIBK
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- . **Additional information:** The lists that were valid during the creation were used as basis.
- . **Exposure controls**
- . **Personal protective equipment**
- . **General protective and hygienic measures** Wash hands before breaks and at the end of work.
- . **Breathing equipment:** Not necessary if room is well-ventilated.
- . **Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- . **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.
- . **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: Grey

. Odor: Characteristic

#### . Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: 78 °C (172.4 °F)

. Flash point: 13 °C (55.4 °F)

. Ignition temperature: 425 °C (797 °F)

. 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: 3.5 Vol %

Upper: 15 Vol %

. Vapor pressure at 20 °C (68 °F): 59 hPa (44.3 mm Hg)

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- |  |  |
|--|--|
| . <b>Density at 20 °C (68 °F):</b>               | 1.28 g/cm <sup>3</sup> (10.6816 lbs/gal)   |
| . <b>Solubility in / Miscibility with Water:</b> | Not miscible or difficult to mix           |
| . <b>Viscosity:</b>                              |  |
| dynamic at 20 °C (68 °F):                        | 1,000 mPas                                 |
| kinematic:                                       | Not determined.                            |
| . <b>Other information</b>                       | No further relevant information available. |

## 10 Stability and reactivity

- . **Reactivity** No further relevant information available.
- . **Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **Possibility of hazardous reactions** No dangerous reactions known
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** No dangerous decomposition products known

## 11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** No irritating effect.
- . **Sensitization:** No sensitizing effects known.
- . **Additional toxicological information:**
- . **Carcinogenic categories**
- . **IARC (International Agency for Research on Cancer)**
- None of the ingredients is listed.
- . **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:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behavior in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:** Do not allow product to reach ground water, water course or sewage system.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

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. Other adverse effects No further relevant information available.

## 13 Disposal considerations

- . Waste treatment methods
- . Recommendation Must be specially treated adhering to official regulations.
- . Uncleaned packagings:
- . Recommendation: Disposal must be made according to official regulations.

## 14 Transport information

. UN-Number	UN1866
. DOT, ADR, IMDG, IATA	
. UN proper shipping name	Resin solution
. DOT	1866 RESIN SOLUTION, (vapour pressure at 50°C not more than 110 kPa)
. ADR	RESIN SOLUTION
. IMDG, IATA	
. Transport hazard class(es)	
. DOT	
	
. Class	3 Flammable liquids
. Label	3
. ADR, IMDG, IATA	
	
. Class	3 Flammable liquids
. Label	3
. Packing group	
. DOT, ADR, 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.

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## Transport/Additional information:

### ADR

#### Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

### 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 1866 RESIN SOLUTION (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II

## 15 Regulatory information

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

#### SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

#### SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

#### TSCA (Toxic Substances Control Act)

409-21-2 silicon carbide

64-17-5 ethanol

#### Prop 65 - Chemicals known to cause cancer

None of the ingredients is listed.

### Carcinogenicity categories

#### EPA (Environmental Protection Agency)

None of the ingredients is listed.

#### TLV (Threshold Limit Value established by ACGIH)

409-21-2 silicon carbide

A2

64-17-5 ethanol

A3

#### MAK (German Maximum Workplace Concentration)

409-21-2 silicon carbide

2

64-17-5 ethanol

5

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

None of the ingredients is listed.

### National regulations

#### Technical instructions (air):

Class	Share in %
III	50.0

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

US

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## 16 Other information

Poison Emergency Phone:

Tox-Center +41/1/251 51 51

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.

Use products in accordance with our data sheet!

. **Department issuing SDS:** Environment protection department.

. **Date of preparation / last revision** 04/17/2020 / 6

. **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

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Carc. 1A: Carcinogenicity – Category 1A

. **\* Data compared to the previous version altered.**