

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
- . **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.*

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- . **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
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108-10-1	4-methylpentan-2-one
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- . **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.

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

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

PEL	Long-term value: 410 mg/m ³ , 100 ppm
REL	Short-term value: 300 mg/m ³ , 75 ppm Long-term value: 205 mg/m ³ , 50 ppm
TLV	Short-term value: 307 mg/m ³ , 75 ppm Long-term value: 82 mg/m ³ , 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 trough 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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. Density at 20 °C (68 °F):	1.28 g/cm ³ (10.6816 lbs/gal)
. Solubility in / Miscibility with Water:	Not miscible or difficult to mix
. Viscosity:	
dynamic at 20 °C (68 °F):	1,000 mPas
kinematic:	Not determined.
. Other information	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.

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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	
. DOT, ADR, IMDG, IATA	UN1866
. UN proper shipping name	
. DOT	Resin solution
. ADR	1866 RESIN SOLUTION, (vapour pressure at 50°C not more than 110 kPa)
. IMDG, IATA	RESIN SOLUTION
. 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.				
. Cancerogenity 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):				
<table border="1"><tr><th>Class</th><th>Share in %</th></tr><tr><td>III</td><td>50.0</td></tr></table>	Class	Share in %	III	50.0
Class	Share in %			
III	50.0			
. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.				

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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 & 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.**

US