

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.07.2018

Version number 109

Revision: 08.12.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier

- Trade name Cartechnic Frostschutz SWA -60°

- Article number: 1000931926017

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

No further relevant information available.

- Application of the substance / the mixture antifreeze

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Auto-Teile-Ring GmbH

Otto-Hirsch-Brücken 17

D-70329 Stuttgart

Tel: +49 (0) 711 918979-99

Fax: +49 (0) 711 918979-30

E-mail: info@cartechnic.de

- Informing department: Product safety department

- 1.4 Emergency telephone number:

National Poisons Information Service (NPIS) - Emergency call (healthcare professionals): (+44) 844 892 0111 - 0344 892 0111

* SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS02 GHS07

- Signal word Warning

- Hazard statements

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.07.2018

Version number 109

Revision: 08.12.2017

Trade name **Cartechnic Frostschutz SWA -60°**

(Contd. of page 1)

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

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

* SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions

- **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	ethanol	Flam. Liq. 2, H225; Eye Irrit. 2, H319	50-100%
CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28	ethane-1,2-diol	STOT RE 2, H373; Acute Tox. 4, H302	2.5-10%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.
- **Composition/Ingredients**
 Constituents according to EC-Regulation 648/2004:
 < 5 % anionic surfactants,
 perfumes
 Other Ingredients: alcohols, glycols, surfactants, and coloring agents.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General advice:** Take affected persons into the open air.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
 In general the product does not cause skin irritation.
 Wash with soap and water.
- **After eye contact**
 Use eye protection.
 Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**
 No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
 CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.07.2018

Version number 109

Revision: 08.12.2017

Trade name Cartechnic Frostschutz SWA -60°

(Contd. of page 2)

- **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise. Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.
 - **5.3 Advice for firefighters**
 - **Protective equipment:**
Wear self-contained breathing apparatus.
See section 8.
 - **Additional information**
Endangered containers in the surrounding area should be cooled with a water-hose.
-

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep off unprotected persons
Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.
 - **6.2 Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Dilute with much water.
If large amounts are released, the authorities must be informed.
 - **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Contaminated material has to be disposed as waste (see item 13).
Residues: rinse away with plenty of water.
 - **6.4 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 information on disposal.
Danger of explosion
-

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
Protect against direct sunlight, other sources of heat and ignition.
Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storage and handling of water hazardous substances
Store only in the original container.
- **Information about storage in one common storage facility:**
Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class 3 (VCI - Konzept, 2007)**

(Contd. on page 4)

— GB —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.07.2018

Version number 109

Revision: 08.12.2017

Trade name **Cartechnic Frostschutz SWA -60°**

(Contd. of page 3)

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**

Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.

- **8.1 Control parameters**- **Components with critical values that require monitoring at the workplace:****64-17-5 ethanol (50-100%)**WEL () Long-term value: 1920 mg/m³, 1000 ppm**107-21-1 ethane-1,2-diol (10-25%)**WEL () Short-term value: 104** mg/m³, 40** ppm
Long-term value: 10* 52** mg/m³, 20** ppm
Sk *particulate **vapour- **Additional information:** The lists that were valid during the compilation were used as basis.- **8.2 Exposure controls**- **Personal protective equipment**- **General protective and hygienic measures**

Keep away from food, beverages and fodder.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- **Breathing equipment:** Not necessary if room is well-ventilated.- **Protection of hands:**

Solvent resistant 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**

Butyl rubber, BR

Fluorocarbon rubber (Viton)

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.

- **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.

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

- **Eye protection:** Tightly sealed safety glasses.- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**- **General Information**- **Appearance:****Form:**

Fluid

(Contd. on page 5)

—GB—

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.07.2018

Version number 109

Revision: 08.12.2017

Trade name Cartechnic Frostschutz SWA -60°

(Contd. of page 4)

Colour:	Blue
- Smell:	Alcohol-like citrus like Alcohol-like, citrus-like
- Odour threshold:	Not determined.
- pH-value at 20 °C:	7.4
- Change in condition	
Melting point/freezing point:	< - 60 °C
Initial boiling point and boiling range:	> 78 °C
- Flash point:	23 °C
- Inflammability (solid, gaseous)	Not applicable.
- Ignition temperature:	410 °C
- Decomposition temperature:	Not determined.
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not explosive. However, formation of explosive air/ steam mixtures is possible.
- Critical values for explosion:	
Lower:	0.7 Vol %
Upper:	53.0 Vol % (Higher and lower level for individual components)
- Vapour pressure at 20 °C:	

ERROR: undefined
OFFENDING COMMAND: CMAP-WinCharSetFFFF-H2

STACK: