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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision: 18.05.2009 Replaces the version of: 27.04.2004 PDF date: 27.05.2010
Airsept Cooling Coil Coating (aerosol dispenser) 180 ml Art.: 8PE 351 220-001

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Airsept Cooling Coil Coating (aerosol dispenser) 180 ml
Art.: 8PE 351 220-001

Use of the substance/preparation

Refer to description of material or preparation.

Company/undertaking identification

Hella KGaA Hueck & Co, Rixbecker Str. 75, D-59552 Lippstadt
Telephone +49 (0) 2941 38 0, Fax +49 (0) 2941 38 7081
www.hella.de

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

Emergency telephone

Advisory office in case of poisoning:

Tel.:
+49 228 / 19240

Telephone number of the company in case of emergencies:

Tel. +49 (0) 2941 38 1562

2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.

Preparation is classified as hazardous in the sense of directive 1999/45/EC.

May cause sensitization by skin contact.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Danger of bursting (explosion) when heated

To the environment

See point 12.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Aerosol

Chemical name			
content %	Symbol	Chemical name	EINECS, ELINCS
	Registration number (ECHA)	Classification categories / Indications of danger:	

Ammonia			
0,1 -< 1	C/N	34-50	215-647-6
		Corrosive, Dangerous for the environment	

Chemical name			
content %	Symbol	Chemical name	EINECS, ELINCS
	Registration number (ECHA)	Classification categories / Indications of danger:	



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C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)phosphate			
1 -< 2,5	T/C/N	23-34-43-50-53	404-690-8
		Corrosive, Dangerous for the environment, Sensitizing, Toxic	

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
Respiratory arrest - Artificial respiration apparatus necessary.

4.2 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.4 Ingestion

Consult doctor immediately - keep Data Sheet available.
Do not induce vomiting.

4.5 Special resources necessary for first aid

There should be an eyewash station and safety shower located near the area of use.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Foam
Dry extinguisher
CO2
Cool container at risk with water.

5.2 Extinguishing media which shall not be used for safety reasons

n.c.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon
Oxides of nitrogen
Oxides of phosphorus
Danger of bursting (explosion) when heated

5.4 Special protective equipment for fire-fighters

According to size of fire
Protective respirator with independent air supply.
Full protection, if necessary

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

If leakage occurs, dam up.
Prevent from entering drainage system.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods for cleaning up

If spray or gas escapes, ensure ample fresh air is available.



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Active substance:

Collect using absorbant material (e.g. Universal binding medium, sand, kieselguhr) and dispose of according to point 13.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Avoid aerosol formation.

Wash hands before breaks and at end of work.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.

Observe special regulations for aerosols!

Observe TRG 300 (German regulation).

Special storage conditions:

See point 10

Keep protected from direct sunlight and temperatures over 50°C.

Only store at temperatures from 4°C to 43°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Chemical Name	Ammonia	Content %:0,1 - < 1
WEL-TWA: NH3 25 ppm (18 mg/m3) (WEL), 20 ppm (14 mg/m3) (EC)	WEL-STEL: NH3 35 ppm (25 mg/m3) (WEL), 50 ppm (36 mg/m3) (EC)	---
BMGV: ---	Other information: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

Filter A P (EN 14387)

Hand protection:

Protective Neopren gloves (EN 374).

Protective hand cream recommended.

Eye protection:

With danger of contact with eyes.

Tight fitting protective goggles with side protection (EN 166).

Skin protection:

According to operation.

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.



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Selection made for preparations according to the best available knowledge and information on the ingredients.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.2 Environmental exposure controls

n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Physical state: Aerosol
Colour: n.av.
Odour: Mild

9.2. Important health, safety and environmental information

pH-value undiluted: 8,5 +/- 0,3
Boiling point/boiling range (°C): 100
Melting point/melting range (°C): n.av.
Flash point (°C): > 100
Flammability (solid, gas): No
Vapour pressure: Water
Density (g/ml): 1,05
Water solubility: Mixable
Solubility in oil / solvent: n.c.

10. STABILITY AND REACTIVITY

Conditions to avoid

See point 7

Stable when handled and stored correctly.

Pressurized container:

protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Pressure increase will result in danger of bursting.

Materials to avoid

See point 7

Avoid contact with strong alkalis.

Avoid contact with strong acids.

Avoid contact with strong oxidizing agents.

Hazardous decomposition products

See point 5.3

11. TOXICOLOGICAL INFORMATION

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg): n.av.
Inhalation, LC50 rat inhal.(mg/l/4h): n.av.
Skin contact, LD50 rat dermal (mg/kg): n.av.
Eye contact: n.av.

Delayed and chronic effects

Sensitization: Yes (skin contact)
Carcinogenicity: n.c.
Mutagenicity: n.c.
Reproductive toxicity: n.c.
Narcosis: n.c.

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Further information

Classification according to calculation procedure.

The following may occur:

Irritation of the eyes

Irritation of the skin.

Dermatitis (skin inflammation)

Allergic reaction possible.

Vapours hazardous to health

12. ECOLOGICAL INFORMATION

Persistence and degradability:	n.av.
Behaviour in sewage plants:	n.av.
Aquatic toxicity:	n.av.
Ecological toxicity:	n.av.
Mobility:	n.av.
Accumulation:	n.av.
Results of PBT assessment	
n.av.	
Other adverse effects:	n.av.

13. DISPOSAL CONSIDERATIONS

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

16 05 04 gases in pressure containers (including halons) containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

15 01 04 metallic packaging

15 01 01 paper and cardboard packaging

Do not perforate, cut up or weld uncleaned container.

14. TRANSPORT INFORMATION

General statements

UN-Number: 1950

Road/Rail-transport (ADR/RID)

Class/packing group: 2/- 

UN 1950 AEROSOLS

Classification code: 5A

LQ: 2

Tunnel restriction code: E

Transport by sea

IMDG-code: 2.2/- (class/packing group)

EmS: F-D, S-U 

Marine Pollutant: n.a.


AEROSOLS

Transport by air

IATA: 2.2/-/ (class/secondary danger/packing group)

Aerosols, non-flammable

Additional information:

Danger code and packing code on request. 

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15. REGULATORY INFORMATION

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)



Symbols: Xi

Indications of danger:

Irritant

R-phrases:

43 May cause sensitization by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

(2) Keep out of the reach of children.

23 Do not breathe vapour/spray.

24 Avoid contact with skin.

35 This material and its container must be disposed of in a safe way.

37 Wear suitable gloves.

(46) If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

Additions:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)phosphate

Observe restrictions: Yes

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII.

VOC 1999/13/EC ---

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany):

2 B

Revised points:

1 - 16 (REACH)

The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).

34 Causes burns.

50 Very toxic to aquatic organisms.

23 Toxic by inhalation.

43 May cause sensitization by skin contact.

53 May cause long-term adverse effects in the aquatic environment.

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference

period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, +49 1805-CHEMICAL / +49 180 52 43 642, Fax: +49 5233 94 17 90, +49 180 50 50 455

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