

SAFETY DATA SHEET

Carpo Rengöring & Desinfektion

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

1.1. Product identifier

Trade name

Carpo Rengöring & Desinfektion

Product no.

11752 11754 11756 117758 11759

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

Relevant identified uses of the substance or mixture

Cleaning/disinfection. For professional use only.

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Rekal Svenska AB

Box 2

646 21 Gnesta

Sweden

+46 158 339 00

E-mail

lab@rekal.se

Revision

10-03-2022

SDS Version

1.0

1.4. Emergency telephone number

In urgent situations: Call 112 and request the poison information centre. (24h service)

In less severe situations: Call 010-456 6700 (24h service)

See also section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Causes severe skin burns and eye damage. (H314)
Very toxic to aquatic life with long lasting effects. (H410)

Safety statement(s)

General

-

Prevention

Do not breathe vapour/mist. (P260)
Wear eye protection/protective gloves/protective clothing. (P280)
Avoid release to the environment. (P273)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
(P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Immediately call a POISON CENTER/doctor. (P310)
Collect spillage. (P391)

Storage

-

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides

2.3. Other hazards

Additional labelling

Active substance(s):
Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides (8.25 g/100g)

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS No.: 68424-85-1 EC No.: 270-325-2 REACH: 01-2119965180-41 Index No.:	5-10%	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
Fettalkoholalkoxylat	CAS No.: EC No.: REACH: 02-2119552554-37-0000 Index No.:	3-5%	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

No special

Labelling of contents according to Detergents Regulation (EC) No 648/2004

- 5% - 15%
- Disinfectants
- < 5%
- Non-ionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

4.2. Most important symptoms and effects, both acute and delayed

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed during use of the product.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage stability: >30 months

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Room temperature, not in direct sunlight or at elevated temperatures.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL	3,96 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL	5,7 mg/kg bw/d
Route of exposure	Dermal

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration	Long term – Systemic effects - Workers
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL	1,64 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL	3,4 mg/kg bw/d
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL	3,4 mg/kg bw/d
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

PNEC

Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
PNEC	0,0009 mg/l
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
PNEC	0,00096 mg/l
Route of exposure	Marine water
Duration of Exposure	
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
PNEC	0,4 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
PNEC	12,27 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
PNEC	13,09 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
PNEC	7 mg/kg
Route of exposure	Soil
Duration of Exposure	

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Smoking, drinking and consumption of food is not allowed during use of the product.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment


Generally

Use only CE marked protective equipment.


Respiratory Equipment

Type	Class	Colour	Standards
Under normal conditions of use respiration protection should not be required.			

Skin protection

Recommended	Type/Category	Standards
Wear suitable protective clothing as protection against splashing or contamination.		

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
			
Polyethylene (PE)	0.2	> 60	-
Vinyl/PVC	0.2	> 60	-
Nitrile	0.2	> 60	-
Neoprene (Neoprene)	0.2	> 60	-

Eye protection

Type	Standards
Wear tight fitting safety goggles or face shield, if any risk of splash.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Colourless

Odour / Odour threshold

Faint

pH

~10

Density (g/cm³)

1.02

Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

100

Vapour pressure

Testing not relevant or not possible due to nature of the product.

Relative vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°C)

Testing not relevant or not possible due to nature of the product.

Ignition (°C)

Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

Other physical and chemical parameters

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>300-2000 mg/kg ·
Other information	
Product/substance	Fettalkoholalkoxylat
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 300 - 2000 mg/kg ·
Other information	

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Endocrine disrupting properties

No special

Other information

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	Quaternary,ammonium,compounds,benzyl-C12-16-alkyldimethyl,chlorides
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>0,1-1 mg/l ·
Other information	
Product/substance	Quaternary,ammonium,compounds,benzyl-C12-16-alkyldimethyl,chlorides
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>0,01-0,1 mg/l ·
Other information	
Product/substance	Quaternary,ammonium,compounds,benzyl-C12-16-alkyldimethyl,chlorides
Test method	
Species	Algae
Compartment	
Duration	72 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test	EC50
Result	>0,01-0,1 mg/l ·
Other information	
Product/substance	Quaternary,ammonium,compounds,benzyl-C12-16-alkyldimethyl,chlorides
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	>0,001-0,01 mg/l ·
Other information	
Product/substance	Quaternary,ammonium,compounds,benzyl-C12-16-alkyldimethyl,chlorides
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	>0,01-0,1 mg/l ·
Other information	
Product/substance	Fettalkoholalkoxylat
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	> 1 - 10 mg/l ·
Other information	
Product/substance	Fettalkoholalkoxylat
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	> 1 - 10 mg/l ·
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Fettalkoholalkoxylat
Test method	
Species	Bacteria
Compartment	
Duration	No data available.
Test	EC10
Result	> 1000 mg/l ·
Other information	
Product/substance	Fettalkoholalkoxylat
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	> 0,1 - 1 mg/l ·
Other information	

12.2. Persistence and degradability

Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
Biodegradable	Yes
Test method	OECD 301 D
Result	>60%
Product/substance	Fettalkoholalkoxylat
Biodegradable	Yes
Test method	OECD 301 E
Result	>= 90%

12.3. Bioaccumulative potential

Product/substance	Quaternary, ammonium, compounds, benzyl-C12-16-alkyldimethyl, chlorides
Test method	
Potential bioaccumulation	No
LogPow	2.9000
BCF	No data available
Other information	
Product/substance	Fettalkoholalkoxylat

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

No special

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

20 01 29* Detergents containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1. - 14.4.

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
1760	CORROSIVE LIQUID, N.O.S. (quarternary alkyl ammonium chloride)	8	III	3 (E)

IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
1760	CORROSIVE LIQUID, N.O.S. (quarternary alkyl ammonium chloride)	8	III	F-A, S-B

MARINE POLLUTANT

Yes

IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
1760	CORROSIVE LIQUID, N.O.S. (quarternary alkyl ammonium chloride)	8	III

14.5. Environmental hazards

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not work with this product. This does not apply if the working task is:

- performed by young people who have completed upper secondary education or equivalent education for the task or
- included in teaching that is located in a school premises or other place that is specially arranged for teaching, or
- included in supervisor-led internships for young people, or
- of such a nature that the risk of injury is considered to be minimal.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

The Swedish Work Environment Authority's provisions on young peoples' work environment (AFS 2012:3)
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
The Swedish Civil Contingencies Agency 2015:8 regulations on measures to prevent and limit the consequences of serious chemical accidents.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Waste regulation (2020:614)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

- H302, Harmful if swallowed.
- H314, Causes severe skin burns and eye damage.
- H318, Causes serious eye damage.
- H319, Causes serious eye irritation.
- H400, Very toxic to aquatic life.
- H410, Very toxic to aquatic life with long lasting effects.
- H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- CAS = Chemical Abstracts Service
- CE = Conformité Européenne
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- CSA = Chemical Safety Assessment
- CSR = Chemical Safety Report
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EINECS = European Inventory of Existing Commercial chemical Substances
- ES = Exposure Scenario
- EUH statement = CLP-specific Hazard statement
- EWC = European Waste Catalogue
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IARC = International Agency for Research on Cancer (IARC)
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- OECD = Organisation for Economic Co-operation and Development
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- RRN = REACH Registration Number
- SCL = A specific concentration limit.
- SVHC = Substances of Very High Concern
- STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
- STOT-SE = Specific Target Organ Toxicity - Single Exposure
- TWA = Time weighted average
- UN = United Nations
- UVCB = Complex hydrocarbon substance
- VOC = Volatile Organic Compound
- vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The safety data sheet is validated by

NWL

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SE-en