

CARLYPRO

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

1.1 - Product identifier

Trade name/designation CARLYPRO
Chemical name
Product-type Mixture
UFI: R7G5-H72G-QV1Q-3H22

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

Relevant identified uses
- Professional uses
- Heat exchanger detergent and decontaminant

1.3 - Details of the supplier of the safety data sheet

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Telephone : +33 (0)4 78 47 61 20
Website info@carly-sa.com www.carly-sa.com

1.4 - Emergency telephone number

Country	Official advisory body	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Irritation, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Composés de l'ion ammonium quaternaire, benzyl en C12-16 alkyldiméthyles, chlorures (CAS No.: 68424-85-1)||Alcool, C8-C18, éthoxylés (CAS No.: 57707-43-2)

Signal word : Danger

Hazard pictograms



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Hazard statements

H315	Causes skin irritation
H318	Causes serious eye damage
H412	Harmful to aquatic life with long lasting effects

Precautionary statements

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER, a doctor.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents, container in an approved treatment center.

EUH-phrases : None

2.3 - Other hazards

PBT-substance. - The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

vPvB-substance. - The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other hazards which do not result in classification - No further relevant information available.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
propan-2-ol, isopropyl alcohol, isopropanol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7	> 1 - < 5	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
Composés de l'ion ammonium quaternaire, benzyl en C12-16 alkylidiméthyles, chlorures	CAS No. : 68424-85-1 Index No. : EC No. : 270-325-2	> 1 - < 3	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1B - H314	Not applicable
Alcool, C8-C18, éthoxylés	CAS No. : 57707-43-2 Index No. : EC No. : REACH No. : 02-2119945186-33	1 - 5	Eye Dam. 1 - H318	Not applicable

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SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician.
<u>After eye contact</u>	- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.
<u>Symptoms and effects - Following skin contact</u>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Serious eye damage/eye irritation
<u>Symptoms and effects - After ingestion</u>	- The following symptoms may occur: Gastrointestinal complaints

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

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO ₂) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- Thermal decomposition can lead to the escape of irritating gases and vapours.
<u>Hazardous decomposition products</u>	- Carbon monoxide - Nitrogen oxides (NO _x)

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Use personal protection equipment.
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For emergency responders - No information available.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Methods and material for cleaning up - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.
- No further relevant information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact

Advices on general occupational hygiene - Avoid contact with skin, eyes and clothes.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/Store only in original container.
- Protect against: Frost

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls - No information available.
- See section 7. No additional measures necessary.

Individual protection measures, such as personal protective equipment - Suitable eye protection: Eye glasses with side protection



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- Protective gloves



- Suitable protective clothing: lab coat



Environmental exposure controls

- Further information: see technical data sheet.
- See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	colourless	<u>Odour</u>	Menthe
Odour threshold		No data available	
pH		10,5 <= V <= 11,4	
Melting point		No data available	
Freezing point		No data available	
Boiling point		97 °C ISO4925	
Flash point		> 60 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		0,95 kg/l <= V <= 1,05 kg/l	
Solubility (Water)		very soluble	
Solubility (Ethanol)		miscible	
Solubility (Acetone)		miscible	
Solubility (Organic solvents)		not determined	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		< 500 mPa.s à 5°C (ASTM2983)	

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9.2 - Other information

VOC content	< 3 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Avoid:
- Frost

10.5 - Incompatible materials

- Acid
- Highly oxidising substances

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

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

Toxicity : Substances

Composés de l'ion ammonium quaternaire, benzyl en C12-16 alkyldiméthyles, chlorures (68424-85-1)

LD50 oral (rat)	795 mg/kg S 477
LD50 dermal (rat)	> 5000 mg/kg Valeur Calculée.

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation
- Irritating to skin.

Serious eye damage/eye irritation - Serious eye damage, Category 1 - Causes serious eye damage

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- Risk of serious damage to eyes.
- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

- Harmful to aquatic life with long lasting effects.

Toxicity : Substances

Composés de l'ion ammonium quaternaire, benzyl en C12-16 alkyldiméthyles, chlorures (68424-85-1)

EC50 48 hr crustacea	0,016 mg/l 5Daphnia magna) dOSSI rEACH.
LC50 96 hr fish	0,85 mg/l (Onchorhynchus mykiss) (OECD 203)
ErC50 algae	0,03 mg/l Dossier REACH.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	> 98 %

- Readily biodegradable (according to OECD criteria).

12.3 - Bioaccumulative potential

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No further relevant information available.

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12.5 - Results of PBT and vPvB assessment

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.7 - Other adverse effects

- Observe local regulations concerning effluent treatment.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- Observe local regulations concerning effluent treatment.
<u>Special precautions for waste treatment</u>	- Delivery to an approved waste disposal company.
<u>Community or national or regional provisions</u>	- Dispose according to legislation.

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	< 3 %
<u>Community safety, health and environmental provisions, national laws</u>	Matière active: 2,4% (m/m) de chlorure d'alkyl (C12-C16)diméthylbenzylammonium (ADBAC/BKC C12-C16), CAS [68424-85-1].

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15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - The evaluation was carried out according to the calculation method.

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
13	22/02/2021	

literature information <http://echa.europa.eu/en/>

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
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
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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