Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.11.2024 Version number 1 Revision: 06.11.2024

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

• **1.1 Product identifier**

• **Trade name: SPA O2-Aktivator Liquid**

• Article number: CPC IRL 4562
• UFI: 9CTH-1C2V-4J0U-55XE
• **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**
• **Uses advised against** Water treatment

• **1.3 Details of the supplier of the safety data sheet**
• **Manufacturer/Supplier:**
UK:
Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081
Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

EU:
Chemoform AG
Bahnhofstr. 68, D-73240 Wendlingen
Tel: +49 7024 4048-0, Fax: +49 7024 4048-2800,
E-Mail: info@chemoform.com

• **Further information obtainable from:** product safety
• **1.4 Emergency telephone number:**
Telephone: +44 (0) 8712 229081 (office hours)
+44 (0) 1242 300271 (outside of office hours)

National Poison Inform. Centre
Medical Toxicology Unit
Avalonley Road
London SE14 5ER
+44 (0) 171 635 91 91

SECTION 2: Hazards identification

• **2.1 Classification of the substance or mixture**
• **Classification according to Regulation (EC) No 1272/2008**


GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

• **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


GHS09

• Signal word Warning

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- Hazard statements
  H410 Very toxic to aquatic life with long lasting effects.
- Precautionary statements
  P101 If medical advice is needed, have product container or label at hand.
  P102 Keep out of reach of children.
  P273 Avoid release to the environment.
  P391 Collect spillage.
  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 substances listed below with nonhazardous additions.
- **Dangerous components:**

25988-97-0 Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / 16.8%
Polymeric quaternary ammonium chloride
Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Acute Tox. 4, H302

- **SVHC**
- biocidal active substances

25988-97-0 Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) /
Polymeric quaternary ammonium chloride: 168 mg/g

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
  Take affected persons out into the fresh air.
  Keep warm, position comfortably and cover well.
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Take affected persons into fresh air and keep quiet.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:** Call a doctor immediately.
- **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  Call for a doctor immediately.
- **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:**
  Foam
  Fire-extinguishing powder
  Carbon dioxide
  Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.
  In case of fire, the following can be released:
  Carbon monoxide (CO)
  Nitrogen oxides (NOx)

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- **5.3 Advice for firefighters**
- **Protective equipment:**
  Wear fully protective suit.
  Wear self-contained respiratory protective device.
  Do not inhale explosion gases or combustion gases.
- **Additional information**
  Cool endangered receptacles with water spray.
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Keep people at a distance and stay on the windward side.
  Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
  Dilute with plenty of water.
  Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to section 13.
- **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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  Keep receptacles tightly sealed.
  Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:** The product is not flammable.

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- Requirements to be met by storerooms and receptacles:
  Store only in the original receptacle.
  Prevent any seepage into the ground.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Protect from frost.
- Storage class: 12
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- Hand protection
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
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.
- For the permanent contact gloves made of the following materials are suitable: Rubber gloves
- Not suitable are gloves made of the following materials:
  Strong material gloves
  Leather gloves
- Eye/face protection Goggles recommended during refilling
- Body protection: Light weight protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**

• Physical state	Fluid
• Colour:	Blue
• Odour:	Characteristic
• Odour threshold:	Not determined.
• Boiling point or initial boiling point and boiling range	100 °C
• Flammability	Not applicable.
• Lower and upper explosion limit	
• Lower:	Not determined.
• Upper:	Not determined.
• Flash point:	Not applicable.
• Auto-ignition temperature:	>100 °C
• Decomposition temperature:	Not determined.
• pH at 20 °C	5.7
• Viscosity:	
• Kinematic viscosity	Not determined.
• Dynamic:	Not determined.
• Solubility	
• water:	Fully miscible.
• Partition coefficient n-octanol/water (log value)	-3.13
• Vapour pressure:	Not determined.
• Density and/or relative density	
• Density:	Not determined.
• Relative density	Not determined.
• Vapour density	Not determined.

- **9.2 Other information**
- **Appearance:**

• Form:	Fluid

- **Important information on protection of health and environment, and on safety.**

• Ignition temperature:	Product is not selfigniting.
• Explosive properties:	Product does not present an explosion hazard.
• Solvent content:	
• Solids content:	0.0 %

- **Change in condition**

• Evaporation rate	Not determined.

- **Information with regard to physical hazard classes**

• Explosives	Void
• Flammable gases	Void
• Aerosols	Void
• Oxidising gases	Void
• Gases under pressure	Void
• Flammable liquids	Void
• Flammable solids	Void

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• Self-reactive substances and mixtures	Void
• Pyrophoric liquids	Void
• Pyrophoric solids	Void
• Self-heating substances and mixtures	Void
• Substances and mixtures, which emit flammable gases in contact with water	Void
• Oxidising liquids	Void
• Oxidising solids	Void
• Organic peroxides	Void
• Corrosive to metals	Void
• Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

25988-97-0 Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride

Oral LD50 1,672 mg/kg (rat)

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or 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**
- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

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Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**

Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

16 05 08* discarded organic chemicals consisting of or containing hazardous substances

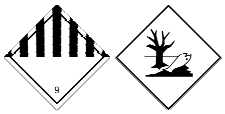
- **Uncleaned packaging:**
- Recommendation:

Packaging may be reused or recycled after cleaning.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN3082
- **14.2 UN proper shipping name**
- **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride), MARINE POLLUTANT
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride)
- **14.3 Transport hazard class(es)**
- **ADR, IMDG, IATA**



- Class 9 Miscellaneous dangerous substances and articles.
- Label 9
- **14.4 Packing group**
- **ADR, IMDG, IATA** III
- **14.5 Environmental hazards:**
- **Marine pollutant:** Yes
  Symbol (fish and tree)
- **Special marking (ADR):** Symbol (fish and tree)
- **Special marking (IATA):** Symbol (fish and tree)
- **14.6 Special precautions for user** Warning: Miscellaneous dangerous substances and articles.
- Hazard identification number (Kemler code): 90
- EMS Number: F-A,S-F
- Stowage Category A
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

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• **Transport/Additional information:**

• ADR	
• Excepted quantities (EQ):	E1
• Limited quantities (LQ)	5L
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• Transport category	3
• Tunnel restriction code	(-)
• IMDG	
• Limited quantities (LQ)	5L
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• **UN "Model Regulation":**	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYMER OF N-METHYLMETHANAMINE (EINECS 204-697-4 WITH (CHLOROMETHYL)-OXIRANE (EINECS 203-439-8) / POLYMERIC QUATERNARY AMMONIUM CHLORIDE), 9, III

SECTION 15: Regulatory information

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

• **Directive 2012/18/EU**
• Named dangerous substances - ANNEX I None of the ingredients is listed.
• Seveso category E1 Hazardous to the Aquatic Environment
• Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
• Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
• **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
• **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.
• **REGULATION (EU) 2019/1148**
• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.
• Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.
• Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.
• Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.
• **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

• Relevant phrases
H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
• **Date of previous version:** 06.11.2024
• **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 relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1