

### 1) IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### 1.1 Product identifier:

Product name: Alfavet Anti Giardien Spray

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

Disinfection and hygiene solution

#### 1.3. Details of the Supplier of the safety data sheet

##### Manufacturer:

Name: Chrysamed Kimya San. Ve Dış. Tic. Ltd. Şti.

Address: Atatürk Mah. İzmir Cad. No: 132 Torbalı / İZMİR - TURKEY

Phone: +90 232 865 12 13 E-mail: [info@chrysamed.com](mailto:info@chrysamed.com)

##### Importer:

Envira GmbH

A-5020 Salzburg Austria Karl-Emminger Str. 14-16

Phone: +43 662 621020 E-mail : [www.envira.eu](http://www.envira.eu)

#### 1.4. Emergency telephone number

Austria +43 662 621020

Turkey +90 232 8651213

Turkey +90 114

### 2) HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

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

This product is not classified as harmful.

#### 2.2. Label elements (Labelling according to Regulation (EC) No 1272/2008 [CLP])

This product is not classified as harmful. No label knowledge is required.

##### Hazard pictograms:

It is not classified as dangerous. A warning statement is not required.

##### Signal word:

A warning statement is not required.

##### Hazard statements:

It is not classified as dangerous

##### Precautionary statements:

P102: Keep out of reach of children.

P103: Read label before use.

P233 Keep container tightly closed.

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

P404 Store in a closed container.

P410 Protect from sunlight.

P501 Dispose of contents/container.

### 2.3. Other hazards

No information.

## 3) COMPOSITION/INFORMATION ON INGREDIENTS

This product is a preparation based on salt for drinking water softener, typically made of very pure refined vacuum salt, free from any harmful soluble or insoluble contaminants. Beside salt (sodium chloride) the major component of the product solution is the weak acid hypochlorous acid (chemical formula, HClO).

Substance	CAS No	EINECS No	Concent. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)
Active Chlorine generated from hypochlorous acid	7790-92-3	232-232-5	% < 0,5	Non Dangerous

The full text of all hazard statements are displayed in **section 16**.

## 4) FIRST AID MEASURES

### 4.1. Description of first aid measures

**Inhalation:** No special precautions are required. If there is a discomfort in the nose and throat as a result of inhalation, the affected person should be brought to fresh air. If the problem persists, consult a doctor with the label.

**Ingestion:** Rinse your mouth. DO NOT induce vomiting, give plenty of water to drink. If the problem persists, consult a doctor with the label.

**Skin contact:** No special precautions are required. Get medical attention if irritation persists.

**Eye contact:** Carefully rinse with water in several minutes. Remove contact lenses and continue to rinse. If irritation persists, get medical attention.

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

**Inhalation:** Not expected to cause irritation.

**Ingestion:** Nausea or vomiting.

**Skin contact:** Not expected to cause irritation

**Eye contact:** May cause eye irritation.

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

Treat symptomatically.

### 5) FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

This product is not flammable or explosive- not applicable.

##### Unsuitable extinguishing media:

This product is not flammable or explosive- not applicable.

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products:** Oxides of Chlorine

#### 5.3. Advice for firefighters

##### Special firefighting methods:

If there is not a risk, remove the product from the fire area. Quench with an appropriate fire extinguisher. Follow the general rules to be followed in fire fighting.

##### Special protective equipment for firefighters:

Face protection, protective gloves and helmet. Wear self-contained breathing apparatus and appropriate protective clothing.

### 6) ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

No personal protective equipment is required under normal conditions.

#### 6.2. Environmental precautions

No special measures are required.

#### 6.3. Methods and material for containment and cleaning up

**Small spillages:** Clean with absorbent material.

**Great Spillages:** Use dry sand or earth. Put contaminated waste into barrels/containers. Wash with water for a while to clear. Dispose of in accordance with local legislation.

#### 6.4. References to other sections

See **Section 8** for personal protection.

See **Section 11** for additional information on health hazards.

See **Section 13** for waste disposal.

### 7) HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Read the instructions before use and follow the manufacturer's recommendations. Avoid contact with eyes. After handling wash hands thoroughly with soap and water. While using do not eat, drink or smoke. Protect from direct sunlight.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep container at cool, dry and ventilated place. Keep away from food, drink and feed. Including direct sunlight, protect from light. Keep away from heat, sparks, open flames, oxidizer substance, strong acids and bases.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in **Section 1.2**.

## 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

The control parameters of the components are unknown. This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### 8.2. Exposure controls

**8.2.1. Appropriate engineering controls:** Provide adequate ventilation. Observe Occupational Exposure Limits. Provide proper local and general exhaust ventilation.

### 8.2.2. Individual protection measures, such as personal protective equipment:

**Respiratory protection:** No specific recommendation made, but respiratory protection may be required under exceptional circumstances when excessive air pollution exist.

**Hand protection:** Follow label directions. In case of prolonged or repeated contact, chemical resistant, butyl rubber or latex gloves should be used.

**Skin Protection:** Follow the label instructions. This product does not normally require skin protection. Wear apron or protective clothing in case of splashing.

**Eye protection:** Follow the label instructions. Wear protective glasses in case of splashing.

**Hygiene measures:** Remove the contaminated clothing. Use appropriate skin cream to prevent drying of the skin.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	: Clear Liquid
Odor	: Mild aromatic like chlorine
Color	: Transparent
Density (@25°C)	: 1,0 – 1,25 g/cm <sup>3</sup>
pH (25°C)	: 4-8
Flash point	: Not fiery
Melting Point	: No information available
Freezing Point	: No information available
Boiling Point	: No information available
Evaporation Rate	: No information available
Flammability	: Non-flammable

Upper / Lower Flammability : No information available  
Vapor Pressure : No information available  
Log Pow : No information available  
Decomposition Temperature : No information available  
Viscosity : No information available  
Explosive / Oxidizing Properties : No information available  
Solubility : Soluble in water

### 9.2. Other information

No additional information available

## 10) STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is not reactive under normal use, storage and transportation conditions.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable at prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

There is no possibility of a harmful reaction known in normal use. Polymerization is not observed.

### 10.4. Conditions to avoid

Do not expose to high temperatures or direct sunlight.

### 10.5. Incompatible materials

May occur corrosion with below material.

Stainless Steel grades 304<10-3 mm/annum,

316 <10-3 mm/annum, 3CR12

<10-1 mm/annum, mild steel 0.35 mm/annum, galvanised steel

0.24 mm/annum.

### 10.6. Hazardous decomposition products

May generate chlorine gas vapours in acidic solution (pH<4) Do not mix the with ammonia.

## 11) TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity:

Product : LD<sub>50</sub> (oral): > 5000 mg/kg (Method: Calculation)

### 11.2 Irritation

Skin: Not classified .

Eye: May causes eye damage.

### 11.3 Sensitisation

Skin: Not classified.

Respiratory: Not classified.

### 11.4 Chronic Effects

Mutagenicity: Negative for In-vitro Salmonella typhimurium mutagenic studies.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

### 11.5 Specific target organ toxicity

Single / Repeated exposure: Not classified.

### 11.6 Cytogenicity:

At 500 ppm available chlorine, no Cytogenetic activity on mice bone marrow chromosomes was induced.

### 11.7 Additional information:

No information.

## 12) ECOLOGICAL INFORMATION

### 12.1. Toxicity

The product is not considered dangerous for the environment, but it can be harmful to aquatic organisms as it will affect the pH value in the aquatic environment.

### 12.2. Persistence and degradability

The product degrades to source water quality with a low sodium chloride mineralisation allied to the input concentration of the salt.

### 12.3. Bioaccumulative potential

There are no components in the product that can bioaccumulate.

### 12.4. Mobility in soil

Soluble in water.

### 12.5. Results of PBT and vPvB assessment

No information

### 12.6. Other adverse effects

No information

## 13) DISPOSAL CONSIDERATIONS

### General information:

Where permitted, the product can be disposed of in municipal drains without adverse effects. However, where required, local environmental regulatory requirements should be followed. The oxidant activity of Anolyte can be neutralised with surplus organic matter/soiling or sodium thiosulfate - Dilute to waste with plenty of water.

### 14) TRANSPORT INFORMATION

#### 14.1. UN Number (ADR/RID/ADN – IMDG – IATA)

This product is not classified as harmful.

#### 14.2. UN proper shipping name

This product is not classified as harmful.

#### 14.3. Transport hazard class (es) (ADR/RID/ADN – IMDG – IATA)

This product is not classified as harmful.

#### 14.4. Packing group (ADR/RID/ADN – IMDG – IATA)

This product is not classified as harmful.

#### 14.5. Environmental hazards

Environmentally Hazardous Substance / Marine Pollutant: No.

#### 14.6. Special precautions for user

No information

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code"

No information

### 15) REGULATORY INFORMATION

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

##### Turkish Regulations:

Regulation on Classification, Labelling and Packaging of Dangerous Substance [O.J. 11.12.202013 – 28848 (Repeated)]

Regulation on the Safety Data Sheets Relating to Hazardous Substances and Mixtures [O.J. 13.12.2014 – 29204]

Regulation on the Carriage of Dangerous Goods by Road [O.J. 24.10.2013 – 28803]

Regulation on Biocidal Products [O.J. 31.12.2009 – 27449]

##### EU regulations:

Regulation (EC) No 1272/2008 of The European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging (CLP) of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

European Agreement Concerning the International carriage of Dangerous Goods by Road (ADR)

<http://echa.europa.eu/information-on-chemicals>

#### 15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**16) OTHER INFORMATION****Legal warning:**

This information relates to a specific product and is not available for use in combination with any process or with any other material. Do not use on other application (s) without consulting the manufacturer. The data given here is based on current knowledge and experience. This SDS analyzes the product in terms of safety requirements and does not give any guarantee of the properties for the product. Usage of the information remains under the sole responsibility of the user.

**Abbreviations and acronyms:**

ADR: European Agreement concerning the international Carriage of Dangerous Goods by Road.

RID: Regulations concerning the international railway transport of dangerous goods.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

IMDG: international Maritime Code for Dangerous Goods.

IATA: international Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EINECS: European Inventory of Existing Commercial Chemical Substances.

Concent.: Concentration of the substance.

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: very Persistence and very Bioaccumulative.

**Resources:**

This SDS is prepared according to both the specific legislations on **Chapter 15** and the information provided by raw material suppliers.

**Revision Comments:**

Prepared for the first time

**Date of update:**