

Printing date 18.01.2013

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**1 Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** Silicone Water-Guard® and Water Guard Extreme® Aerosol
- **Article number:** See section 16
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Hydrophobing agent/ water repellent
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Atsko, Inc.  
2664 Russell S.E.  
Orangeburg, SC 29115  
Phone: (803) 531-1820
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

**2 Hazards identification**

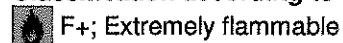
- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



F+; Extremely flammable

R12: Extremely flammable.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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## · Hazard pictograms



GHS02

## · Signal word Danger

## · Hazard statements

H222 Extremely flammable aerosol.

## · Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

## · Additional information:

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

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

## · Hazard description:

## · WHMIS-symbols:

A - Compressed gas

B5 - Flammable aerosol



## · NFPA ratings (scale 0 - 4)



Health = 2

Fire = 3

Reactivity = 0

## · HMIS-ratings (scale 0 - 4)



Health = 2

Fire = 3

Reactivity = 0

## · HMIS Long Term Health Hazard Substances

None of the ingredients is listed.

## · 2.3 Other hazards

## · Results of PBT and vPvB assessment

· PBT: Not applicable.

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· vPvB: Not applicable.

**3 Composition/information on ingredients**· **3.2 Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light Xn R65 Flam. Liq. 3, H226 Asp. Tox. 1, H304	>75%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide substance with a Community workplace exposure limit Press. Gas, H280	<25%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.**4 First aid measures**· **4.1 Description of first aid measures**· **General information:** Take affected persons out into the fresh air.· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After skin contact:**

Clean with water and soap.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

· **4.2 Most important symptoms and effects, both acute and delayed**

Coughing

Dizziness

Breathing difficulty

· **Hazards**

Danger of pulmonary oedema.

Danger of impaired breathing.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Later observation for pneumonia and pulmonary oedema.

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Treat skin and mucous membrane with antihistamine and corticoid preparations.

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### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  - Carbon dioxide
  - Gaseous extinguishing agents
  - Water haze or fog
  - Alcohol resistant foam
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  - In case of fire, the following can be released:
  - Carbon monoxide (CO)
  - Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water fog or haze.

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation
  - Keep away from ignition sources.
  - Protect from heat.
  - Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  - Absorb liquid components with liquid-binding material.
  - Clean the affected area carefully; suitable cleaners are:
  - Warm water and cleansing agent
- **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.

### 7 Handling and storage

- **7.1 Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.

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- Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.  
 Do not spray onto a naked flame or any incandescent material.
  - **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
  - **Requirements to be met by storerooms and receptacles:**  
 Store in a cool location.  
 Observe official regulations on storing packagings with pressurized containers.  
 Provide ventilation for receptacles.  
 Avoid storage near extreme heat, ignition sources or open flame.
  - **Information about storage in one common storage facility:**  
 Store away from foodstuffs.  
 Store away from oxidizing agents.
  - **Further information about storage conditions:**  
 Store in cool, dry conditions in well sealed receptacles.  
 Keep container tightly sealed.  
 Do not seal receptacle gas tight.  
 Protect from heat and direct sunlight.
  - **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

#### 64742-47-8 Distillates (petroleum), hydrotreated light

EL (Canada)	200 mg/m <sup>3</sup>
	Skin

#### 124-38-9 carbon dioxide

IOELV (EU)	9000 mg/m <sup>3</sup> , 5000 ppm
PEL (USA)	9000 mg/m <sup>3</sup> , 5000 ppm
REL (USA)	Short-term value: 54,000 mg/m <sup>3</sup> , 30,000 ppm Long-term value: 9000 mg/m <sup>3</sup> , 5000 ppm
TLV (USA)	Short-term value: 54,000 mg/m <sup>3</sup> , 30,000 ppm Long-term value: 9000 mg/m <sup>3</sup> , 5000 ppm
EL (Canada)	Short-term value: 15000 ppm Long-term value: 5000 ppm
EV (Canada)	Short-term value: 54,000 mg/m <sup>3</sup> , 30,000 ppm Long-term value: 9,000 mg/m <sup>3</sup> , 5,000 ppm

- **DNELs** No further relevant information available.

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- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes.  
 Avoid close or long term contact with the skin.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:** Rubber gloves
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Solvent resistant protective clothing
- **Limitation and supervision of exposure into the environment**  
 No further relevant information available.
- **Risk management measures**  
 See Section 7 for additional information.  
 No further relevant information available.

## 9 Physical and chemical properties

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

#### · General Information

#### · Appearance:

- |                    |                 |
|--------------------|-----------------|
| Form:              | Aerosol         |
| Colour:            | Light yellow    |
| · Odour:           | Petroleum-like  |
| · Odour threshold: | Not determined. |

- |             |                 |
|-------------|-----------------|
| · pH-value: | Not determined. |
|-------------|-----------------|

#### · Change in condition

- |                              |                             |
|------------------------------|-----------------------------|
| Melting point/Melting range: | Undetermined.               |
| Boiling point/Boiling range: | Not applicable, as aerosol. |

- |                |                             |
|----------------|-----------------------------|
| · Flash point: | Not applicable, as aerosol. |
|----------------|-----------------------------|

- |                                  |                 |
|----------------------------------|-----------------|
| · Flammability (solid, gaseous): | Not applicable. |
|----------------------------------|-----------------|

- |                         |                 |
|-------------------------|-----------------|
| · Ignition temperature: | Not determined. |
|-------------------------|-----------------|

- |                              |                 |
|------------------------------|-----------------|
| · Decomposition temperature: | Not determined. |
|------------------------------|-----------------|

- |                  |                               |
|------------------|-------------------------------|
| · Self-igniting: | Product is not self-igniting. |
|------------------|-------------------------------|

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· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	0,5 Vol %
Upper:	6,5 Vol %
· <b>Vapour pressure at 20 °C:</b>	2 hPa
· <b>Density at 20 °C:</b>	0,75 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>9.2 Other information</b>	No further relevant information available.

**10 Stability and reactivity**

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Flammable.  
Reacts with oxidizing agents.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.  
Reacts with peroxides and other radical forming substances.
- **10.4 Conditions to avoid**  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

**11 Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.

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- **on the eye:** Slight irritant effect on eyes.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
 This statement was deduced from products with a similar structure or composition.  
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
 Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- |                                       |                     |
|---------------------------------------|---------------------|
| · <b>14.1 UN-Number</b>               |                     |
| · <b>DOT, ADR, IMDG, IATA</b>         | UN1950              |
| · <b>14.2 UN proper shipping name</b> |                     |
| · <b>DOT, IATA</b>                    | AEROSOLS, flammable |
| · <b>ADR</b>                          | 1950 AEROSOLS       |
| · <b>IMDG</b>                         | AEROSOLS            |

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<ul style="list-style-type: none"> <li>· 14.3 Transport hazard class(es)</li> <li>· DOT</li> </ul>	
	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<ul style="list-style-type: none"> <li>2.1</li> <li>2.1</li> </ul>
-----	
<ul style="list-style-type: none"> <li>· ADR</li> </ul>	
	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<ul style="list-style-type: none"> <li>2 5F Gases.</li> <li>2.1</li> </ul>
-----	
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	
	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<ul style="list-style-type: none"> <li>2.1</li> <li>2.1</li> </ul>
<ul style="list-style-type: none"> <li>· 14.4 Packing group</li> <li>· DOT, ADR, IMDG, IATA</li> </ul>	
	N/A
<ul style="list-style-type: none"> <li>· 14.5 Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>	
	No
<ul style="list-style-type: none"> <li>· 14.6 Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>	
	Warning: Gases.
	-
	F-D,S-U
<ul style="list-style-type: none"> <li>· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	
	Not applicable.
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> </ul>	
-----	
<ul style="list-style-type: none"> <li>· ADR</li> <li>· Limited quantities (LQ)</li> <li>· Transport category</li> <li>· Tunnel restriction code</li> </ul>	<ul style="list-style-type: none"> <li></li> <li>1L</li> <li>2</li> <li>D</li> </ul>
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	UN1950, AEROSOLS, 2.1

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**15 Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· <b>Section 355 (extremely hazardous substances):</b>
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None of the ingredients is listed.
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· <b>Section 313 (Specific toxic chemical listings):</b>
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None of the ingredients is listed.
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· <b>TSCA (Toxic Substances Control Act):</b>
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All ingredients are listed.
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· <b>Proposition 65 (California):</b>
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· <b>Chemicals known to cause cancer:</b>
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None of the ingredients is listed.
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· <b>Chemicals known to cause reproductive toxicity for females:</b>
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None of the ingredients is listed.
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· <b>Chemicals known to cause reproductive toxicity for males:</b>
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None of the ingredients is listed.
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· <b>Chemicals known to cause developmental toxicity:</b>
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None of the ingredients is listed.
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· <b>Carcinogenic Categories</b>
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· <b>EPA (Environmental Protection Agency)</b>
--

None of the ingredients is listed.
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· <b>IARC (International Agency for Research on Cancer)</b>
---

None of the ingredients is listed.
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· <b>TLV (Threshold Limit Value established by ACGIH)</b>
---

None of the ingredients is listed.
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· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
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None of the ingredients is listed.
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· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
--

None of the ingredients is listed.
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· <b>Canada</b>
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· <b>Canadian Domestic Substances List (DSL)</b>
--

All ingredients are listed.
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· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>
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None of the ingredients is listed.
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· <b>Canadian Ingredient Disclosure list (limit 1%)</b>
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124-38-9   carbon dioxide
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• **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

Product code numbers: 1336, 1336F, 1336Ger, 1336X

• **Relevant phrases**

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

R65 Harmful: may cause lung damage if swallowed.

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

• **Sources**

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