

Safety Data Sheet

Issue date: 03.03.2022

v 2

Last Revision Date: 03.03.2022

1 Identification

· Product identifier

· Trade name: LeakGuard OneShot

· Part number: 480500

· Application of the substance / the mixture air conditioning additive

· Details of the supplier of the safety data sheet

CPS Product Inc. - USA

1010 East 31st Street

Hialeah, FL 33013 USA

Phone: (305) 687 - 4121

Email: cs@cpsproducts.com

· Manufacturer/Supplier:

CPS Products Inc. - USA

101 E 31st Street

Hialeah, FL 33013 USA

Tel: (305) 687-4121

· email of person responsible: cs@cpsproducts.com

· Emergency telephone number:

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

2 Hazard(s) identification

· Classification of the substance or mixture

Gases under Pressure - Compressed gas H280 Contains gas under pressure; may explode if heated.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



· Signal word Warning

· Hazard statements

Contains gas under pressure; may explode if heated.

· Precautionary statements

Do not handle until all safety precautions have been read and understood.

Do not get in eyes, on skin, or on clothing.

Store in a well-ventilated place.

Protect from sunlight.

Do not expose to temperatures exceeding 50°C/122°F.

· Other hazards

· PBT: Not applicable.

· vPvB: Not applicable.

NA

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3 Composition/information on ingredients· **Chemical characterization: Mixtures**

- **Chemical components:** Not Applicable

· **Other Ingredients**

811-97-2	1,1,1,2-tetrafluoroethane	50-100%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures· **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
In cases of frost bites, rinse with plenty of water. Do not remove clothing.
- **After eye contact:**
Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:** Treat Symptomatically
 - **Most important symptoms and effects, both acute and delayed** See section 11.
 - **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures· **Extinguishing media**

- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** See section 10 for additional information.
- **Advice for firefighters**
 - **Protective equipment:**
Recommend wearing self-contained breathing apparatus. Water may cause splattering.

6 Accidental release measures· **Personal precautions, protective equipment and emergency procedures**

Personal protective equipment must be worn. Avoid contact with skin, eyes or clothing. Ventilate area if spilled in a confined space or other poorly ventilated area.
Keep people at a distance and stay upwind.
Particular danger of slipping on leaked/spilled product.

· **Environmental precautions:**

In case of seepage into the ground inform responsible authorities.
No special measures required.

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- **Methods and material for containment and cleaning up:**
Absorb liquid components with liquid-binding material.
- **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**

- **Handling:**
 - **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Avoid splashes or spray in enclosed areas.
Use only in well ventilated areas.
Prevent formation of aerosols.
 - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
See section 10 for incompatible materials.
Observe official regulations on storing packagings with pressurized containers.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.
 - **Specific end use(s)** No further relevant information available.

* **8 Exposure controls/personal protection**· **Control parameters**· **Components with limit values that require monitoring at the workplace:****811-97-2 1,1,1,2-tetrafluoroethane (50-100%)**

WEEL (USA) | TWA: 1000 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

· **Other Exposure Limits**

Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter.

· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Clean skin thoroughly immediately after handling the product.
Do not store food in the working area.
The usual precautionary measures for handling chemicals should be followed.
Do not inhale dust / smoke / mist.

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· **Protection of hands:**

Chemical resistant protective gloves

· **Eye protection:**

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

* **9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

- **Form:** Aerosol
- **Color:** Brown
- **Odor:** Petrol-like
- **Odor 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.· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Not determined.· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapor pressure at 20 °C:** 5,716 hPa· **Density at 20 °C:** 1.23 g/cm³

- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**· **Water:** Not miscible or difficult to mix.· **Partition coefficient (n-octanol/water):** Not determined.

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· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent separation test	
· VOC content:	0.00 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
Can decompose slowly with localized heating above 67°C.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, open flames, sparks.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**
 - **Primary irritant effect:**
 - **on the skin:**
May cause mild skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
 - **on the eye:**
May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.
 - **Inhalation:** with oil mist formation
 - **Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
 - **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
 - **General notes:**
Water hazard class 1 (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.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|-------------------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | UN1950 |
| · TDG | UN1950 |
| · UN proper shipping name | |
| · DOT | Aerosols, non-flammable |
| · TDG | Aerosols, non-flammable |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, non-flammable |
| · Transport hazard class(es) | |
| · DOT | |
|  | |
| · Class | 2.2 Gases |
| · Label | 2.2 |

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· TDG	
· Class	2.2
· Label	2.2
· IMDG, IATA	
	
· Class	2.2 Gases
· Label	2.2
· Packing group	
· DOT, IMDG, IATA	Not Regulated
· TDG	Not Regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Gases
· Hazard identification number (Kemler code):	-
· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Size/package type:	Limited Quantity (91g/can)
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.2

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15 Regulatory information· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No REACH Annex XVII restrictions
 Contains no REACH candidate substance

· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

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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.

· **Contact:** Engineering Department

· **Issue Date**

03.03.2022

December 10, 2015

· **Revision Changes:** v 1.0 - original SDS release (December 10, 2015)

· **Abbreviations and acronyms:**

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

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

· * **Data compared to the previous version altered.**

NA