

## Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

**1 Identification**· **Product identifier**· **Trade name: Cooling System Treatment**· **Part number:** 202220· **Application of the substance / the mixture** cooling system 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.

1010 East 31st Street

Hialeah, Florida 33013 USA

Phone: (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**

Toxic to Reproduction 1B

H360 May damage fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure  
1 H372 Causes damage to organs through  
prolonged or repeated exposure.

Aquatic Acute 3

H402 Harmful to aquatic life.

· **Label elements**· **GHS label elements**

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

· **Hazard pictograms**· **Signal word** Danger· **Hazard-determining components of labeling:**

Potassium p-tert-Butylbenzoate

· **Hazard statements**

May damage fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure.

Harmful to aquatic life.

· **Precautionary statements**

Obtain special instructions before use.

Avoid contact during pregnancy/while nursing.

Avoid release to the environment.

Use personal protective equipment as required.

IF exposed or concerned: Get medical advice/attention.

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Store locked up.

Dispose of contents in accordance with local regulations.

- **Additional information:** Restricted to professional users.
- **Other hazards**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**

· <b>Chemical components:</b>		
16518-26-6	Potassium p-tert-Butylbenzoate	≤2.5%

- **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.

- **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:** Rinse out mouth. Do not induce vomiting. If symptoms persist consult doctor.

- **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:**

CO<sub>2</sub>, 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**

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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- **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 item 13.
- **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** Open and handle receptacle with care.
  - **Information about protection against explosions and fires:**  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**  
See section 10 for incompatible materials.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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:**  
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 that were valid during the creation were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Store protective clothing separately.
    - **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
    - **Protection of hands:**



Chemical resistant protective gloves

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## · 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:	Liquid
· Color:	Light yellow
· Odor:	Odorless
· Odor threshold:	Not determined.

· pH-value at 20 °C: 8.6-9

#### · Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

· Lower:	Not determined.
· Upper:	Not determined.

· Vapor pressure: Not determined.

· Density at 20 °C:	1-1.05 g/cm <sup>3</sup>
· Relative density at 20 °C	1-1.05
· Vapor density	Not determined.
· Evaporation rate	Not determined.

#### · Solubility in / Miscibility with

· Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

#### · Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

#### · Solvent separation test

· VOC content: 0.10 %

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· **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:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** extremely high or low temperatures
- **Incompatible materials:** strong acids. strong bases.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

**11 Toxicological information**· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral LD50 21,115 mg/kg

**16518-26-6 Potassium p-tert-Butylbenzoate**

Oral LD50 500 mg/kg (ATE)

· **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.

· **on the eye:** May cause eye irritation.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

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

67-63-0	propan-2-ol	3
75-21-8	ethylene oxide	1
123-91-1	1,4-dioxane	2B

· **NTP (National Toxicology Program)**

75-21-8	ethylene oxide	K
123-91-1	1,4-dioxane	R

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

75-21-8	ethylene oxide	
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**12 Ecological information**

- **Toxicity**
  - **Aquatic toxicity:** Harmful to aquatic life with long lasting effects.
- **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:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** Avoid release to the environment.

**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**

· <b>UN-Number</b>	
· DOT, ADR, IMDG, IATA	Not Regulated
· TDG	Not Regulated
· <b>UN proper shipping name</b>	
· DOT, IMDG, IATA	Not Regulated
· TDG	Not Regulated
· <b>Transport hazard class(es)</b>	
· DOT, IMDG, IATA	
· Class	Not Regulated
· TDG	
· Class	Not Regulated
· <b>Packing group</b>	
· DOT, IMDG, IATA	Not Regulated
· TDG	Not Regulated
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.

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- |  |                 |
|--|-----------------|
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Not Regulated   |

**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):**

75-21-8 ethylene oxide

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

67-63-0 propan-2-ol

75-21-8 ethylene oxide

107-21-1 ethanediol

123-91-1 1,4-dioxane

7632-00-0 sodium nitrite

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

All components have the value ACTIVE.

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

75-21-8 ethylene oxide

123-91-1 1,4-dioxane

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

75-21-8 ethylene oxide

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

75-21-8 ethylene oxide

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

75-21-8 ethylene oxide

107-21-1 ethanediol

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

75-21-8 ethylene oxide

CaH

123-91-1 1,4-dioxane

L

· **TLV (Threshold Limit Value)**

67-63-0 propan-2-ol

A4

75-21-8 ethylene oxide

A2

107-21-1 ethanediol

A4

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123-91-1	1,4-dioxane	A3
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
75-21-8	ethylene oxide	
123-91-1	1,4-dioxane	
· <b>Canadian substance listings:</b>		
· <b>Canadian Domestic Substances List (DSL)</b>		
All ingredients are listed.		
· <b>Canadian Non-Domestic Substances List (NDSL)</b>		
51126-65-9	Potassium Benzotriazole	
· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>		
None of the ingredients is listed.		
· <b>Canadian Ingredient Disclosure list (limit 1%)</b>		
None of the ingredients is listed.		

**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**

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10/FEB/2017

· **Revision Changes:**

v 1.0 - original SDS release (17/MAY/2015)

v 2.0 - revised formula (14/JAN/2016)

v 3.0 - revised section 2 (10/FEB/2017)

· **Abbreviations and acronyms:**

ADR: 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

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