

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

1 Identification

· Product identifier

· Trade name: **Cooling System Flush**

· **Part number:** 202210

· **Application of the substance / the mixture** radiator cleaner

· 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

Eye Irritation 2A H319 Causes serious eye irritation.

· 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**

Causes serious eye irritation.

· **Precautionary statements**

Wear protective gloves / eye protection / face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical attention.

· Other hazards

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

NA

(Contd. on page 2)

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: **Cooling System Flush**

(Contd. of page 1)

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

3012-65-5	diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate	10-25%
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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.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
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**
Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
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**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

In case of seepage into the ground inform responsible authorities.

No special measures required.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: **Cooling System Flush**

(Contd. of page 2)

· **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:**· **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.

· **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.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

· **Protection of hands:**

ISO 374-1:2016/Type A
J K L M N O

Chemical resistant protective gloves

· **Eye protection:**

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

NA

(Contd. on page 4)

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: **Cooling System Flush**

(Contd. of page 3)

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

Fluid

· **Color:**

colorless to pale yellow

· **Odor:**

Light

· **Odor threshold:**

Not determined.

· **pH-value at 20 °C:**

5.6-7

· **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:**0.65 g/cm³· **Relative density at 20 °C**

1.05-1.10

· **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:**

0.01 %

· **Other information**

No further relevant information available.

10 Stability and reactivity· **Reactivity** No further relevant information available.

(Contd. on page 5)

-NA-

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: **Cooling System Flush**

(Contd. of page 4)

- **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:**
 - **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:** Irritating effect.
 - **Sensitization:** No sensitizing effects known.
 - **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· IARC (International Agency for Research on Cancer)	
64-17-5 ethanol	1
· NTP (National Toxicology Program)	
None of the ingredients is listed.	
· OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	

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.

(Contd. on page 6)

-NA-

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: **Cooling System Flush**· **Other adverse effects** No further relevant information available.

(Contd. of page 5)

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

Not Regulated

· TDG

Not Regulated

· **UN proper shipping name**

· DOT, IMDG, IATA

Not Regulated

· TDG

Not Regulated.

· **Transport hazard class(es)**

· DOT, IMDG, IATA

· Class

Not Regulated

· TDG

· Class

Not Regulated.

· **Packing group**

· DOT, IMDG, IATA

Not Regulated

· TDG

Not Regulated.

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

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):**

None of the ingredients is listed.

(Contd. on page 7)

NA

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: Cooling System Flush

(Contd. of page 6)

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

107-19-7 | prop-2-yn-1-ol

· **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.

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**

27.04.2022

10/FEB/2017

· **Revision Changes:**

v 1.0 - original SDS release (25/MAY/2015)

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

v 3.0 - revised section 3 (10/FEB/2017)

(Contd. on page 8)

NA

Safety Data Sheet

Issue date: 27.04.2022

v 4

Last Revision Date: 27.04.2022

Trade name: Cooling System Flush

(Contd. of page 7)

· 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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

· * Data compared to the previous version altered.

NA