

Safety Data Sheet

Issue date: 27.04.2022

v 2

Last Revision Date: 13.08.2015

1 Identification· **Product identifier**· **Trade name: Cooling System Sealant**· **Part number:** 202230· **Application of the substance / the mixture** automotive radiator sealant· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

TCPS Product Inc. - USA

1010 East 31st Street

Hialeah, FL 33013 USA

Phone: (305) 687 - 4121

Email: cs@cpsproducts.com

· **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**

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

Carcinogenicity 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.

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

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

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

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

titanium dioxide

· **Hazard statements**

May cause an allergic skin reaction.

Suspected of causing cancer. Route of exposure: Inhalation.

· **Precautionary statements**

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

If on skin: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical attention.

Store locked up.

Dispose of contents in accordance with local regulations.

· **Other hazards**· **PBT:** Not applicable.· **vPvB:** Not applicable.

NA

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

4719-04-4	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	2.5-<10%
13463-67-7	titanium dioxide	2.5-<10%

· **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 and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

· **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.
Rinse out mouth and then drink plenty of water.

· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed**

Dizziness
Gastric or intestinal disorders
Allergic reactions

· **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.

· **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**

Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.

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- Avoid eye contact. Avoid repeated or prolonged skin contact.
- **Environmental precautions:** No special measures required.
- **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**
Ensure good ventilation/exhaustion at the workplace.
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.
 - **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:**
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.
 - **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: Viscous
- Color: Grey
- Odor: Odorless
- Odor threshold: Not determined.

· pH-value at 20 °C: 9.5

· Change in condition

- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: 100 °C

· 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: 1.01 g/cm³
- Relative density: Not determined.
- 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.

· Other information: No further relevant information available.

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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** No further relevant information available.
- **Incompatible materials:** Strong acids. Oxidizing agents.
- **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:**

Oral	LD50	5556 mg/kg (ATE)
Inhalative	LC50/4 h	75.8 mg/l (rat) (ATE)

4719-04-4 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

Oral	LD50	500 mg/kg (ATE)
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13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

· **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:** Sensitization possible through skin contact.· **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)**

13463-67-7	titanium dioxide	2B
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· **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	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.

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| · 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.

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

None of the ingredients is listed.

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

4719-04-4	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol
13463-67-7	titanium dioxide

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

13463-67-7	titanium dioxide
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· **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)**

13463-67-7	titanium dioxide	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	titanium dioxide
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· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

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· **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**

13.08.2015

August 13, 2015

· **Revision Changes:** v1.0 - original SDS release (August 13, 2015)· **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)

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

Sensitization - Skin 1: Skin sensitisation – Category 1

Carcinogenicity 2: Carcinogenicity – Category 2

NA