

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015


## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - **Product name: Anti-Shudder Transmission Treatment**
    - **Part number:** 204230
    - **Application of the substance / the mixture** automatic transmission additive
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Terraclean, division of, CPS Products Canada Ltd.  
1324 Blundell Road  
Mississauga, ON, L4Y 1M5  
Canada  
Phone: (905) 615-8620
  - **email of person responsible:** customerservice@terraclean.net
- **1.4 Emergency telephone number:** CHEMTREC International +1 (703) 527-3887 24 hr

## SECTION 2: Hazards identification

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

|                   |   |
|-------------------|---|
| Skin Irrit. 2     | H315 Causes skin irritation.                            |
| Eye Irrit. 2      | H319 Causes serious eye irritation.                     |
| Skin Sens. 1      | H317 May cause an allergic skin reaction.               |
| Aquatic Chronic 3 | H412 Harmful to aquatic life with long lasting effects. |
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
    - **Hazard pictograms**



GHS07
    - **Signal word** Warning
    - **Hazard-determining components of labelling:**  
1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.
    - **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.
    - **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P273 Avoid release to the environment.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.

(Contd. on page 2)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 1)

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· **Description:** Mixture: consisting of the following hazardous components.

##### · **Dangerous components:**

|                                      |   |          |
|--------------------------------------|---|----------|
| CAS: 68784-17-8<br>EINECS: 272-225-4 | Isooctadecanoic acid, reaction products with tetraethylenepentamine<br>Skin Irrit. 2, H315; Eye Irrit. 2, H319  | ≤10%     |
| ELINCS: 400-000-4                    | 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.<br>Skin Sens. 1, H317; Aquatic Chronic 3, H412  | 2.5-<10% |
| CAS: 21652-27-7<br>EINECS: 244-501-4 | 1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-, (Z)-<br>Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400;<br>Aquatic Chronic 1, H410; Acute Tox. 4, H302     | 0.1-<1%  |
| CAS: 61791-44-4<br>EINECS: 263-177-5 | Ethanol, 2,2'-iminobis-, N-tallow alkylderivs.<br>Met. Corr.1, H290; Skin Corr. 1C, H314; Eye Dam. 1, H318;<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302 | 0.1-<1%  |

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 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:**

Wash with plenty of soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

##### · **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 mouth with water.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Do not induce vomiting.

If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** See section 11.

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

Treat Symptomatically

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

##### · **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

##### · **For safety reasons unsuitable extinguishing agents:** Water with full jet

#### · 5.2 Special hazards arising from the substance or mixture

See section 10 for additional information.

(Contd. on page 3)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 2)

- **5.3 Advice for firefighters**
  - **Protective equipment:**  
Recommend wearing self-contained breathing apparatus. Water may cause splattering.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Remove persons from danger area.  
Do not touch or walk through spilled material.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Avoid splashes or spray in enclosed areas.  
Material can accumulate static charges which may cause an electrical spark.  
Maximum Handling Temperature: 70 °C, 158 °F
  - **Information about fire - and explosion protection:** No special measures required.
- **7.2 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 container tightly sealed.  
Maximum Storage Temperature: 45 °C, 113 °F  
Store in cool, dry, dark place, away from direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 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:**  
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 valid during the making 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.

(Contd. on page 4)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 3)

**· 8.2 Exposure controls**

**· Personal protective equipment:**

**· General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

**· Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**· Protection of hands:**



Chemical resistant protective gloves (EN 374)

**· Eye protection:**



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

## SECTION 9: Physical and chemical properties

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

**· General Information**

**· Appearance:**

- **Form:** Liquid
- **Colour:** Red
- **Odour:** Petrol-like
- **Odour threshold:** Not determined.

· **pH-value:** Not determined.

**· Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

· **Flash point:** 199 °C

· **Flammability (solid, gaseous):** Not applicable.

**· Ignition temperature:**

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

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

**· Explosion limits:**

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

· **Vapour pressure:** Not determined.

· **Density:** Not determined.

· **Relative density:** Not determined.

(Contd. on page 5)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 4)

|   |  |
|---|--|
| · <b>Vapour density</b>                           | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <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>                               |  |
| · <b>Dynamic:</b>                                 | Not determined.                            |
| · <b>Kinematic:</b>                               | Not determined.                            |
| · <b>Solvent content:</b>                         |  |
| · <b>Organic solvents:</b>                        | 0.0 %                                      |
| · <b>9.2 Other information</b>                    | No further relevant information available. |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong Oxidizers

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity**

|  |          |                  |
|--|----------|------------------|
| · <b>LD/LC50 values relevant for classification:</b>             |          |                  |
| <b>ATE (Acute Toxicity Estimates)</b>                            |          |                  |
| Oral   | LD50     | 50000 mg/kg      |
| Inhalative   | LC50/4 h | 0.952 mg/l (rat) |
| <b>61791-44-4 Ethanol, 2,2'-iminobis-, N-tallow alkylderivs.</b> |          |                  |
| Oral   | LD50     | 500 mg/kg (ATE)  |

- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation**  
Causes serious eye irritation.
  - **Ingestion:** May be fatal if swallowed and enter airways.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 6)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 5)

- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:** Harmful to aquatic life with long lasting effects.
- **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.
  - **Ecotoxicological effects:**
    - **Remark:** Harmful to fish
  - **Additional ecological information:**
    - **General notes:**
      - Harmful to aquatic organisms
      - Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
      - Do not allow product to reach ground water, water course or sewage system.
      - Danger to drinking water if even small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** Avoid release to the environment.

## SECTION 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.
  - **Uncleaned packaging:**
    - **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b> <ul style="list-style-type: none"> <li>· <b>ADR, IMDG, IATA</b></li> </ul> </li> </ul>   | UN3082   |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b> <ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> </li> </ul> | UN3082 ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE, LIQUID, N.O.S.<br>ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE, LIQUID, N.O.S., MARINE<br>POLLUTANT<br>ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE, LIQUID, N.O.S. |

(Contd. on page 7)

GB

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 6)

· **14.3 Transport hazard class(es)**

· ADR, IMDG, IATA



· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **14.4 Packing group**

· IMDG, IATA

III

· **14.5 Environmental hazards:**

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

· **EMS Number:**

F-A,S-F

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,

## SECTION 15: Regulatory information

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

No REACH Annex XVII restrictions

Contains no REACH candidate substance

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 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.

· **Issue Date:** August 19, 2015

· **Relevant phrases**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

(Contd. on page 8)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 19.08.2015

Version 1

Revision: 19.08.2015

**Product name: Anti-Shudder Transmission Treatment**

(Contd. of page 7)

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· **Contact:** Engineering Department· **Revision Changes:** v 1.0 - original SDS release (August 19, 2015)· **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

ACGIH: American Conference of Governmental Industrial Hygienists

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

Met. Corr. 1: Corrosive to metals, Hazard Category 1

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

GB