1. IDENTIFICATION

Product Name: Cascade Platinum Rinse Aid
Product ID: 92190699_RET_NG
Product Type: Finished Product - Consumer (Retail) Use Only
Recommended Use: Dish Care
Restrictions on Use: Use only as directed on label.
Manufacturer: PROCTER & GAMBLE - Fabric and Home Care Division. Ivorydale Technical Centre. 5289 Spring Grove Avenue, Cincinnati, Ohio 45217-1087 USA
E-mail Address: pgsds.im@pg.com
Emergency Telephone: Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

Hazard Category
Skin corrosion/Irritation Category 1
Eye Damage / Irritation Category 2B

Signal Word: DANGER

Hazard Statements
Causes serious eye damage
Causes skin irritation

Hazard pictograms

Precautionary Statements - Do not breathe mist
3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Synonyms</th>
<th>Trade Secret</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C10-16, ethoxylated propoxylated</td>
<td>-</td>
<td>No</td>
<td>69227-22-1</td>
<td>30 - 35</td>
</tr>
<tr>
<td>Ethanol</td>
<td>-</td>
<td>No</td>
<td>64-17-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Zinc chloride</td>
<td>-</td>
<td>No</td>
<td>7646-85-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1)</td>
<td>-</td>
<td>No</td>
<td>28348-53-0</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact
Rinse with plenty of water. Call a physician immediately.

Skin contact
Rinse with plenty of water. Get medical attention if irritation develops and persists.

Ingestion
Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Inhalation
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed
None under normal use conditions.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES
Suitable extinguishing media: Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media: None.

Special hazard: None known.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

Advice for emergency responders: Use personal protective equipment as required.

Methods and materials for containment and cleaning up

Methods for containment: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Mexico PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1900 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m³</td>
<td>Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m³</td>
</tr>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>STEL: 2 mg/m³ fume TWA: 1 mg/m³ fume</td>
<td>TWA: 1 mg/m³ fume (vacated) TWA: 1 mg/m³ fume (vacated) STEL: 2 mg/m³ fume</td>
<td>Mexico: TWA 1 mg/m³ Mexico: STEL 2 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Alberta</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
<th>British Columbia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>TWA: 1000 ppm TWA: 1880 mg/m³</td>
<td>TWA: 1000 ppm TWA: 1880 mg/m³</td>
<td>STEL: 1000 ppm</td>
<td>STEL: 1000 ppm</td>
</tr>
</tbody>
</table>
Zinc chloride  
7646-85-7  
TWA: 1 mg/m³  
STEL: 2 mg/m³  
TWA: 1 mg/m³  
STEL: 2 mg/m³  
TWA: 1 mg/m³  
STEL: 2 mg/m³  
TWA: 1 mg/m³  
STEL: 2 mg/m³

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures**
- **Distribution, Workplace and Household Settings:** Ensure adequate ventilation
- **Product Manufacturing Plant (needed at Product-Producing Plant ONLY):** Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**
- **Distribution, Workplace and Household Settings:** Requires Eye Protection
- **Product Manufacturing Plant (needed at Product-Producing Plant ONLY):** Safety glasses with side-shields
  - If splashes are likely to occur, wear:
  - Tightly fitting safety goggles

**Hand Protection**
- **Distribution, Workplace and Household Settings:** For sensitive skin or prolonged use, wear gloves
- **Product Manufacturing Plant (needed at Product-Producing Plant ONLY):** Protective gloves

**Skin and Body Protection**
- **Distribution, Workplace and Household Settings:** Wear suitable protective clothing
- **Product Manufacturing Plant (needed at Product-Producing Plant ONLY):** Wear suitable protective clothing

**Respiratory Protection**
- **Distribution, Workplace and Household Settings:** No special protective equipment required
- **Product Manufacturing Plant (needed at Product-Producing Plant ONLY):** In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State @20°C</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>blue</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Scented</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH value</td>
<td>3.21</td>
<td>(as 1% solution)</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>51.7 °C / 125 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

Flash point:

92190699_RET_NG - Cascade Platinum Rinse Aid
Revision Date: 26-Mar-2015

Closed cup Product is an aqueous solution containing <= 24% alcohol and > 50% water
VOC Content (%) Products comply with US state and federal regulations for VOC content in consumer products.

10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions.
Stability Stable under normal conditions.
Hazardous polymerization Hazardous polymerization does not occur.
Hazardous Reactions None under normal processing.
Conditions to Avoid None under normal processing.
Materials to avoid None in particular.
Hazardous Decomposition Products None under normal use.

11. TOXICOLOGICAL INFORMATION

Product Information
Information on likely routes of exposure

Inhalation
No known effect.

Skin contact
Irritating to skin.

Ingestion
No known effect.

Eye contact
Risk of serious damage to eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity
No known effect.

Skin corrosion/irritation
Irritating to skin.

Serious eye damage/eye irritation
Risk of serious damage to eyes.

Skin sensitization
No known effect.

Respiratory sensitization
No known effect.

Germ cell mutagenicity
No known effect.

Neurological Effects
No known effect.

Reproductive toxicity
No known effect.

Developmental toxicity
No known effect.

Teratogenicity
No known effect.

STOT - single exposure
No known effect.

STOT - repeated exposure
No known effect.

Target Organ Effects
No known effect.

Aspiration hazard
No known effect.

Carcinogenicity
No known effect.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>528 mg/kg bw (OECD 401 standard acute method; rat; based on active)</td>
<td>&gt; 2000 mg/kg bw (Read across data on zinc sulfate; OECD 402)</td>
<td>-</td>
</tr>
</tbody>
</table>

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Hazardous to the Aquatic Environment.

**Persistence and degradability**  
No information available.

**Bioaccumulative potential**  
No information available.

**Mobility**  
No information available.

**Other adverse effects**  
No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

**Waste from Residues / Unused Products**  
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**  
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes**  
331

(non-household setting)

### 14. TRANSPORT INFORMATION

**DOT**

Not regulated

**IMDG**

| UN Number | UN03082 |
| UN Proper shipping name | Environmentally hazardous substance, liquid, n.o.s. |
| Description | UN03082, Environmentally hazardous substance, liquid, n.o.s. (Zinc chloride, Tridec-2-Enenitrile), 9, III, Ltd. Qty. |
| Transport hazard class(es) | 9 |
| Packing Group | III |
| EmS-No | F-A, S-F |

**IATA**

| UN no | UN03082 |
| UN Proper shipping name | Environmentally hazardous substance, liquid, n.o.s. |
| Description | UN03082, Environmentally hazardous substance, liquid, n.o.s. (Zinc chloride, Tridec-2-Enenitrile), 9, III, Ltd. Qty. |
| Hazard Class | 9 |
| Packing Group | III |
| ERG Code | 9L |
| IATA comment | Can also be shipped as ID8000 Consumer Commodity |

### 15. REGULATORY INFORMATION

**U.S. Federal Regulations**

**SARA 313**  
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical
or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>CERCLA/SARA 302 TPQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>1000 lb</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product does not contain any substances regulated as hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>1000 lb</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

**California Proposition 65**
This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>New Jersey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Massachusetts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>X</td>
</tr>
</tbody>
</table>

**International Inventories**

**United States**
All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**
This product is in compliance with CEPA for import by P&G.

**Legend**
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
CEPA - Canadian Environmental Protection Act

**16. OTHER INFORMATION**
Issuing Date: 26-Mar-2015  
Revision Date: 26-Mar-2015  

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS