1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Carbopol Polymer (Ultrez 20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Synonyms</td>
<td>Acrylic Polymer (Ultrez 20)</td>
</tr>
<tr>
<td>INCI name</td>
<td>Acrylates/C10-30 Alkyl Acrylate Crosspolymer</td>
</tr>
<tr>
<td>Country of Origin</td>
<td>Belgium</td>
</tr>
<tr>
<td>Product use</td>
<td>Thickening - Domestic and Industrial</td>
</tr>
<tr>
<td>Supplier</td>
<td>New Directions Aromatics Inc.</td>
</tr>
<tr>
<td>Address</td>
<td>6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9</td>
</tr>
<tr>
<td>Fax</td>
<td>905-362-1926</td>
</tr>
<tr>
<td>Telephone number</td>
<td>905-362-1915</td>
</tr>
<tr>
<td>Emergency phone number</td>
<td>(613)-996-6666 CANUTEC 24 HOUR EMERGENCY</td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification
Serious eye damage/eye irritation - Category 2A

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)
H319 Causes serious eye irritation.

Precautionary statement(s)
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P264 Wash SKIN thoroughly after handling.
P280 Wear protective gloves/protection clothing/eye protection/face protection.
P305+p351+p338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P337+p313 If eye irritation persists get medical advice/attention.
P501 Dispose of contents/container according to local regulations.
3. COMPOSITION / INFORMATION INGREDIENTS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>CAS NO</th>
<th>EC NO</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbopol Polymer</td>
<td>-</td>
<td>-</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Eye contact**
Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin contact**
Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

**Inhalation**
If inhaled, removed to fresh air. Get medical attention if symptoms appear.

**Ingestion**
Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**
Water fog, dry chemical, carbon dioxide.

**Special protective equipment and precautions for fire-fighters**
Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

**Special hazards arising from the substance or its combustible products**
Hazardous decomposition products may be formed at extreme heat or if burned.

**Resulting gases**
Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures.**
Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

**Environmental precautions**
Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and materials for containment and cleaning up**
Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

**Precautions for safe handling**
No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

**Conditions for safe storage, including any incompatibilities**
Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eyes**
Use tightly sealed goggles.

**Skin**
If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

**Respiratory**
In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White fluffy powder.</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight acrylic.</td>
</tr>
<tr>
<td>pH</td>
<td>2.5 - 3.0 (1% water)</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.4 @ 20 deg C</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Material will swell in water.</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

**Reactivity**
This material presents no significant reactivity hazard.

**Chemical stability**
Chemically stable.

**Possibility of hazardous reactions**
Hazardous polymerization will not occur.

**Conditions to avoid**
Not available.

**Incompatible materials**
Amines, Ammonia, Sodium Hydroxide

**Hazardous decomposition products**
Aldehydes, Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

**Signs & symptoms of exposure**
Pre-existing skin disorders may be aggravated by this material. Pre-existing respiratory disease may be aggravated by this material.

**Teratogenicity**
Not available.

**Mutagenicity**
Not available.

**Inhalation**
May cause irritation of nose, throat or respiratory tract. Avoid inhalation.

**Skin contact**
May cause mild irritation. Adverse skin effects should be prevented by normal care and personal hygiene.

**Eye contact**
May cause irritation (tears, blurred vision and redness) Avoid eye contact.

Ingestion
Do not ingest.

12. ECOLOGICAL INFORMATION

Ecotoxicity
(LC50) - rainbow trout: 5.6 mg/L & 7.5 mg/L
EC50 (daphnia magna) 2 - 10 mg/L
EC50 (alga) 2 - 10 mg/L
EC50 (pseudomonas putida) >100 mg/L

Persistence and degradability
Readily Biodegradable.

Bio - accumulative potential
Not available.

Mobility in soil
Not available.

Other adverse effects
Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)
Not regulated

IMO-IMDG Shipping Description (Sea)
Not regulated

IATA Shipping Description (Air)
Not regulated

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Revision date : July 3, 2018

Disclaimer & Caution

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