1. IDENTIFICATION

1.1 Product Name: Purgex® 602 Plus

1.2 Use: Purging compound blends for cleaning thermoplastic injection and blow molding machines and extruders.

Other uses: No other uses.

1.3 Manufacturer: Neutrex, Inc.
11119 Jones Road West
Houston, Texas 77065 USA
(281) 807-9449 Tel
(281) 807-9748 Fax

1.4 Emergency Phone: (800) 803-6242
E-mail: emergency@neutrex.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements
Not applicable; not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances
All Purgex® products are mixtures of two or more ingredients.

3.2 Mixtures
The compositions and concentrations of Purgex® products are confidential trade secrets and are therefore withheld from disclosure in accordance with Paragraph (i) of 29 CFR §1910.1200 (OSHA). All ingredients in the listed Purgex® products are rated GRAS (Generally Recognized As Safe) and are also approved by the FDA for use as additives in food and in food packaging.
4. FIRST-AID MEASURES

4.1 Descriptions of first-aid measures

Inhalation
If inhaled, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact
Wash off with plenty of water.

In case of eye contact
Flush eyes with cold water for several minutes. Remove contact lenses (if present and easy to do). Continue rinsing.

If swallowed
Rinse mouth thoroughly (only if person is conscious).

Ingestion
All ingredients are non-toxic. Drink water to dilute and clear breathing passageways. Adverse health effects due to ingestion are not anticipated.

4.2 Indication of any immediate medical attention and special treatment needed
Seek medical attention. Treat burns or allergic reactions conventionally after decontamination.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media
Water spray, alcohol-resistant foam, dry extinguishing chemicals, or carbon dioxide.

5.2 Specific Hazards
A fire produces thick black smoke. In the event of fire, the following may be formed:
Carbon monoxide (CO), carbon dioxide (CO₂), and soot.

5.3 Precautions for Firefighters
Wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures
Use personal protective equipment (PPE). Avoid dust formation. Promptly vacuum, etc. floors, removing spilled pellets and powder to prevent slipping hazard. Avoid breathing vapors, mist, or gas. Avoid breathing dust; use face mask. Ensure adequate ventilation.

6.2 Methods and Materials for Containment and Cleaning Up
Avoid spillage into sewers, drains or waterways. Place spilled material into clean, dry container and cover loosely. Move container from spill area. All recovered material should be packaged, labeled, transported and disposed of (or reclaimed) in conformance with applicable laws and regulations, and in conformance with good engineering practices.
7. **HANDLING AND STORAGE**

7.1 **Precautions for Safe Handling**
Avoid formation of dust. Provide appropriate exhaust ventilation. Avoid contact with skin and eyes. Wear protective clothing and use protective equipment under severe (dusting and high temperature) conditions.

7.2 **Conditions for Safe Storage**
Keep containers tightly closed in a dry, well-ventilated area away from heat and ignition sources.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

8.1 **Exposure Limits**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA ï PEL (for Nuisance):</td>
<td>15mg/M³ Total</td>
</tr>
<tr>
<td>Dust (Respirable Fraction):</td>
<td>5mg/M³</td>
</tr>
<tr>
<td>ACGIH ï TLV (for Nuisance Dust):</td>
<td>10mg/M³ Total</td>
</tr>
<tr>
<td>Acute Toxicological Oral (LD50):</td>
<td>10mg/M³</td>
</tr>
</tbody>
</table>

8.2 **Appropriate Engineering Controls**
General industrial hygiene practice.

8.3 **Individual Protection Measures**

- **Eye/Face**: Use equipment for eye protection tested and approved under Government Standard NIOSH (US) or EN 166 (EU).
- **Skin protection**: Gloves and appropriate clothing.
- **Body protection**: Clothing, aprons.
- **Respiratory protection**: Nuisance levels only use type N95 (US) or Type P1 (EN 143) dust masks.

Do not smoke. Avoid open flame or other ignition sources. Avoid prolonged contact and vapor inhalation.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>(a) Appearance</th>
<th>Form: Pellets</th>
<th>Color: Grey to White</th>
</tr>
</thead>
<tbody>
<tr>
<td>(b) Odor</td>
<td>Odorless</td>
<td></td>
</tr>
<tr>
<td>(c) Odor Threshold</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>(d) pH</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(e) Melting Point/Freezing Point</td>
<td>125-140°C (257-284°F) / Not applicable</td>
<td></td>
</tr>
<tr>
<td>(f) Flash Point</td>
<td>440°C (824°F) *</td>
<td></td>
</tr>
<tr>
<td>(g) Boiling Point</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(h) Evaporation Rate</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(i) Flammability</td>
<td>See auto-ignition temperature</td>
<td></td>
</tr>
<tr>
<td>(j) Upper/lower flammability or explosive limits</td>
<td>Not explosive</td>
<td></td>
</tr>
<tr>
<td>(k) Vapor Pressure</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(l) Vapor Density</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(m) Relative Density</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(n) Solubility</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(o) Partition coefficient: n-octanol/water</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(p) Auto-ignition Temperature</td>
<td>490°C (914°F) *</td>
<td></td>
</tr>
<tr>
<td>(q) Decomposition Temperature</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>(r) Viscosity</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

* see Section 16.3
10. **STABILITY AND REACTIVITY**

10.1 **Reactivity**
These materials are not reactive at normal storage conditions.

10.2 **Chemical Stability**
These materials are stable.

10.3 **Possibility of Hazardous Reactions**
None.

10.4 **Conditions to Avoid**
Heat outside recommended temperature.
Prolonged exposure to high temperature. Fire source.

10.5 **Incompatible Materials**
Ammonia, strong bases.

10.6 **Hazardous Decomposition Products**
Upon ignition, may emit carbon monoxide and soot.

11. **TOXICOLOGICAL INFORMATION**

11.1 **Acute Toxicity**
No data available.

11.2 **Inhalation**
No data available.

11.3 **Dermal**
No data available.

11.4 **Skin Corrosion / Irritation**
No data available.

11.5 **Serious Eye Damage / Eye Irritation**
No data available.

11.6 **Respiratory or Skin Sensitivity**
No data available.

11.7 **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11.8 **Reproductive Toxicity**
No data available.
11.9 **Specific Target Organ Toxicity – Single or Repeated Exposure**
No data available.

11.10 **Aspiration Data**
No data available.

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12. **ECOLOGICAL INFORMATION**

12.1 **Eco-Toxicity**
No data available.

12.2 **Persistence and Degradability**
No data available.

12.3 **Bioaccumulative Potential**
No data available.

12.4 **Mobility in Soil**
No data available.

12.5 **Other Adverse Effects**
No specific data or information available regarding environmental impact.
Insoluble in water; material will be separated at every filtration and sedimentation process.

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13. **DISPOSAL CONSIDERATIONS**

13.1 **Waste Treatment Methods**
Recycle or dispose of waste in compliance with applicable laws and regulations.

13.2 **Contaminated Packaging**
Dispose of as unused product.

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14. **TRANSPORTATION INFORMATION**

**US DOT**
Not regulated as a hazardous material or dangerous goods for transportation.

**ICAO/IATA**
Not regulated as a hazardous material or dangerous goods for transportation.

**IMO/IMDG**
Not regulated as a hazardous material or dangerous goods for transportation.

**RID/ADR**
Not regulated as a hazardous material or dangerous goods for transportation.

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15. **REGULATORY INFORMATION**

15.1 **USA**
Superfund Amendments and Reauthorization Act (SARA)
- No chemicals in Purgex® products are subject to the reporting requirements of SARA Title III, Sect. 302.
- Purgex® products contain no chemical components with known CAS numbers that exceed the threshold reporting levels by SARA III, Sect. 313.
- Purgex® products contain no chemical components which would constitute a SARA 311/312 hazard.

All of the components of this product are on the Toxic Substances Control Act (TSCA) Chemical Inventory.
15.2 **California Proposition 65 Components**

Purgex® products do not contain any chemicals known to State of California to cause cancer, birth defects, or other reproductive harm.

15.3 **Canada**

All the components of Purgex® products are on the Canadian Domestic Substances List (DSL).

15.4 **Europe**

Purgex® products are registered under the EU (European Union) Reach regulation.

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16. **OTHER INFORMATION**

**Version 1.0**
**Creation Date: May 01, 2015**
**Print Date: May 29, 2015**

This document supersedes the individual Material Safety Data Sheets previously issued for the products listed in Section 1. This document complies with current United States law under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**Hazardous Material Information System (HMIS)**

Health Hazard 0 Minimal
Reactivity Hazard 0 Minimal
Flammability Hazard 0 Minimal
Personal Protection Glasses, gloves, and mask respirator

16.1 Neutrex, Inc. has produced a large quantity of Purgex® purging compounds since 1991. Neutrex is unaware of any personal injuries to Neutrex employees, Neutrex distributors, or end users caused by Purgex®.

16.2 Neutrex, Inc. has a technical program which includes a Neutrex chemical-plastics laboratory. The laboratory tests new and existing Purgex® products for performance, characteristics and safety during transport, storage, handling, use and disposal. Although it is infeasible to test Purgex® on every make and model of molding equipment, the laboratory conducts testing on several types of plastic molding machines under simulated commercial conditions.

16.3 Neutrex also contracts with outside analytical labs to test Purgex® products. The company’s outside laboratory contractors have tested Purgex® products for flash point and auto-ignition temperature by ASTM D 1929. Their test results relate only to the behavior of test specimens under the particular conditions of the test. They are not intended to be used, and shall not be used, to assess the potential fire hazards of a material in use.

16.4 Purgex® is intended for use in professional plastic molding operations in compliance with applicable government regulations, engineering and industry standards, and manufacturer instructions. Users should comply with proper installation, operation and maintenance procedures for the molding equipment being utilized.

16.5 Disclaimer. The information in this SDS was obtained from sources which Neutrex, Inc. believes are reliable. However, the information is provided without any guarantee, express warranty, implied warranty or contract liability regarding the completeness or correctness of the information. The conditions or methods of transport, storage, handling, use and disposal of the products are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility, and expressly disclaim liability, for loss, damage, harm or expense arising from or connected with any transport, storage, handling, use or disposal of these products. If any of the products are used as a component in another product, this SDS information may not be applicable.