



SAFETY DATA SHEET

PGX-CPC-05

Version 1.0

Creation Date June 26, 2015

Print Date February 15, 2018

1. IDENTIFICATION

- 1.1 Product Names: Purgex® 461.
- 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).

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

OSHA – PEL (for Nuisance):	15mg/m ³ Total
Dust (Respirable Fraction):	5mg/m ³
ACGIH – TLV (for Nuisance Dust):	10mg/m ³ Total
Acute Toxicological Oral (LD50):	10g/Kg

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

(a) Appearance	Form: Pellets Color: Translucent and White
(b) Odor	Odorless
(c) Odor Threshold	None
(d) pH	Not applicable
(e) Melting Point/Freezing Point	Data not available / Not applicable
(f) Flash Point	Data not available
(g) Boiling Point	Not applicable
(h) Evaporation Rate	Not applicable
(i) Flammability	Data not available
(j) Upper/lower flammability or explosive limits	Not explosive
(k) Vapor Pressure	Not applicable
(l) Vapor Density	Not applicable
(m) Relative Density	Not applicable
(n) Solubility	Not applicable
(o) Partition coefficient: n-octanol/water	Not applicable
(p) Auto-ignition Temperature	Data not available
(q) Decomposition Temperature	Not applicable
(r) Viscosity	Not applicable

*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.

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.

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.

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.

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.

16. OTHER INFORMATION

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This document supersedes the Material Safety Data Sheet previously issued for the product 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.