



Material Safety Data Sheet
Purgex™ Grade 461
 (OSHA Regulation 21CFR 1900.1200(g))



Revision: 1.0
 Revised Date: 9/27/11

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Section 1: Product Identification and Company Identification

Company Name: Neutrex, Inc.
 Address: 11119 Jones Road West
 Houston, TX 77065 USA
 Phone Number: (281) 807-9449
 Fax Number: (281) 807-9748
 Product Name: Purgex™
 Product Grade: 461
 Product Composition: 97% PE
 3% Purgex™ 201
 Use: Cleaning Compound for Plastics Molding Equipment
 Emergency Phone: (281) 807-9449

Section 2: Hazards Identification

2.1 Classification of the substance or mixture.

In compliance with US OSHA Regulation 29CFR 1900.1200 and its amendments.

Purgex™ 201 Components				
Component	Purgex™ 461	A	B	C
Acute Skin Contact	None	No Irritation	Irritating	Irritating Mild
Acute Eye Contact	None	No Irritation	Irritating	Irritating
Chronic Effects	No Data Available	No Data Available	No Info. Found Showing Adverse Effects From Overexposure	Large Doses Can Produce Alkalosis
Carcinogenicity	Not Carcinogenic	Not Carcinogenic	Not Listed As Carcinogen By OSHA, NTF, Or IARC	Not Carcinogenic
Medical Conditions Aggravated By Exposure	N/A	N/A	Pre-Existing Conditions Increase Susceptibility	N/A



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2.2 Label Elements

In compliance with US OSHA Regulation 29CFR 1900.1200 and its amendments.

Section 3: Composition

3.1 Components

Purgex™ 201 consists of three materials (components A,B,C), three of which are used as additives in food; the identity of these is a trade secret.

Purgex™ 201 Components			
Component	A	B	C
Product Name, Code, CAS, or Formula	Trade Secret	Trade Secret	Trade Secret
Chemical Family	Organic Acid	Fatty Acid	Inorganic Acid
General Use	Food And Drug Additive	Food And Drug Additive	Food And Drug Additive

Polyethylene (PE)

Chemical Name:

Ethylene, Homopolymer

CAS Number:

9002884

Appearance:

Translucent, colorless pellets



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Section 4: First-Aid Measures

4.1 Descriptions of first aid measures

Purgex™ 201 Components				
Component	Purgex™ 461	A	B	C
Eyes	Flush Eyes With Cold Water For 15 Minutes	Flush Eyes With Cold Water For 15 Minutes	Flush Eyes With Cold Water For 15 Minutes	Flush Eyes With Cold Water For 15 Minutes
Skin Contact	Water Wash Affected Areas	Water Wash Affected Areas	Water Wash Affected Areas	Water Wash Affected Areas
Inhalation	Remove To Fresh Air	Remove To Fresh Air	Remove To Fresh Air	Remove To Fresh Air
Ingestion	Low Health Hazard, Non-Toxic Drink Water To Dilute	Low Health Hazard, Non-Toxic Drink Water To Dilute	Low Health Hazard, Non-Toxic Drink Water To Dilute	Low Health Hazard, Non-Toxic Drink Water To Dilute

Section 5: Firefighting Measures

5.1 Extinguishing Media:

Water spray, foam, dry chemical, carbon dioxide to extinguish flames.

5.2 Special Hazards:

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

5.3 Protective Equipment:

Heat resistant suit and gloves and self-contained breathing apparatus.

Section 6: Accidental Release Measures

6.1 Personal Precautions:

Protective equipment and emergency procedures.

6.2 Personal Precautions:

Avoid contact with melted product and pellets may cause slipping hazard.

6.3 Environmental Precautions:

Avoid spillage into sewers, drains or waterways.



Material Safety Data Sheet
PurgeX™ Grade 461
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6.4 Methods for Cleanup:

Sweep and place into suitable containers. Dispose according to applicable regulations.

Section 7: Handling and Storage

7.1 Handling

Wear protective clothing and avoid contact with skin and eyes.

7.2 Storage

Keep container tightly closed in a dry, well-ventilated area.

Section 8: Exposure Controls and Personal Protection

8.1 Exposure Limits

PurgeX™ 201 Components				
Component	PurgeX™ 461	A	B	C
OSHA – PEL For Nuisance	15mg/M ³ Total	15mg/M ³ Total	15mg/M ³ Total	NA
Dust Respirable Fraction	5mg/M ³	5mg/M ³	5mg/M ³	5mg/M ³
ACGIH – TLV For Nuisance Dust	10mgm ³	10mgm ³ Max	10mgm ³ Max	NA
Acute Toxicological Oral LD50	10g/Kg	10g/Kg	NA	6g/Kg (20% slurry)

8.2 Personal Protection

Respiratory protection: In the presence of vapors, a protective mask is recommended.

Skin protection: Gloves and appropriate clothing.

Eye protection: Safety goggles.

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



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Section 9: Physical and Chemical Properties

9.1 Chemical and Physical Properties

	Purgex™ 461	Purgex™ 201
Physical Appearance	Translucent And White Pellets	White Pellets Or Powder
pH	NA	NA
Vapor Pressure	NA	NA
Boiling Point	NA	NA
Freezing Point	NA	NA
Solubility	Insoluble	Insoluble
Specific Gravity	.91 -1.02	Bulk Density – 37 PCF
Evaporation Rate	None	None
Percent Volatility	0	0
Chemical Stability	Stable	Stable
Polymerization	Will Not Occur	Will Not Occur
Odor	None	None
Appearance And Color	Translucent And White Pellets	White Pellets Or Powder

Section 10: Stability and Reactivity

10.1 Stability and Reactivity

Reactivity:	No Data Available
Chemical Stability:	Stable under Normal Conditions
Possibility of Hazardous Reactions:	No Data Available
Incompatibility:	None Known
Hazardous Decomposition:	Thermal Decomposition May Release/Form: <ul style="list-style-type: none"> • Carbon Monoxide • Carbon Dioxide
Conditions to Avoid:	Extreme Heat Fire Source

Section 11: Toxicology Information

11.1 Routes of Exposure

Inhalation of vapors from melted product.

11.2 Acute and Chronic Effects

Dust and vapors from melted product may be irritating to the respiratory tract. Exposure to melted product produces burns. No known chronic effects.



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11.3 Reproductive Toxicity

None known.

11.4 Other

Refer to section 2.

Section 12: Ecological Information

12.1 Eco-Toxicity

This material is not expected to be harmful to aquatic organisms. Fish or birds may eat pellets which may obstruct their digestive tract.

Section 13: Disposal Considerations

13.1 Disposal

Recycle or dispose of waste in compliance with current legislation. Contact a certified collector or company.

Section 14: Transportation Information

14.1 Component A+B+C



DOT Classification	This product is not regulated by DOT.
IMDG Classification	This product is not regulated by IMDG.
ICAO Classification	This product is not regulated by ICAO.

14.2 Polyethylene Component

The description shown may not apply to all shipping situations. Consult the appropriate dangerous goods regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

Shipping Descriptions per regulatory authority:

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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Section 15: Regulatory Information

15.1 Notification Status

All ingredients are on the following inventories or are exempt from listing:

CANADA:	All the components of this product are on the Canadian Domestic Substances List (DSL).
UNITED STATES:	All of the components of this product are on the Toxic Substances Control Act (TSCA) Chemical Inventory.

Section 16: Other Information

16.1 Hazardous Material Information System (HMIS)

Health Hazard – 0 Minimal

Reactivity Hazard – 0 Minimal

Flammability Hazard – 0 Minimal

Personal Protection – Glasses, gloves and mask respirator

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