

1. Product and Company Identification

Product Code:	LS. 17	
Product Name:	Purging Solution GP Hybrid	
Company Name:	FRESH START POLYMER SOLUTIONS 6-14845 Yonge ST. Suite 116 Aurora, Ontario L4G 6H8,	Phone Number: (289)894-3723
Email address:	Bryon.Wolff@freshstartpolymers.com	
Emergency Contact:	Chemtrec	(800)424-9300 Int'l (703)741-5505

2. Hazards Identification

Oxidizing Solids, Category 3
Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Toxic To Reproduction, Category 1B



GHS Signal Word: **Danger**

GHS Hazard Phrases: H272: May intensify fire; oxidizer.
H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H360: May damage fertility or the unborn child.

GHS Precaution Phrases: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P220: Keep and store away from clothing and combustible materials.
P221: Take any precaution to avoid mixing with combustibles.
P261: Avoid breathing dust, fumes, gas, mist, vapors or spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves, protective clothing, and eye/face protection.
P281: Use personal protective equipment as required.
P285: In case of inadequate ventilation wear respiratory protection.

GHS Response Phrases: P301+312: If swallowed: Call a POISON CENTER or physician if you feel unwell.
P302+352: If on skin: Wash with plenty of soap and water.
P304+341: If inhaled and breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313: If exposed or concerned: Get medical attention or advice.
P321: Specific treatment see section 4.
P330: Rinse mouth.
P333+313: If skin irritation or rash occurs, seek medical advice/attention.

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P337+313: If eye irritation persists, get medical advice or attention.
P342+311: If experiencing respiratory symptoms call a POISON CENTER or doctor.
P363: Wash contaminated clothing before reuse.
P370+378: In case of fire, use fire extinguisher.
P501: Dispose of contents and containers per section 13.

GHS Storage and Disposal Phrases:

Potential Health Effects (Acute and Chronic):

Inhalation:

Skin Contact:

Eye Contact:

Ingestion:

Chronic: Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.

May cause respiratory tract irritation. May cause asthmatic attacks due to allergic sensitization of the respiratory tract.

May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

May cause eye irritation.

May cause irritation of the digestive tract. May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration
NA	(Trade Secret)	81.0 -86.0 %
NA	(Trade Secret)	3.0 -6.0 %
NA	(Trade Secret)	3.0 -6.0 %
NA	(Trade Secret)	1.0 -4.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact:

In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical aid if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact:

In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.

In Case of Ingestion:

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Note to Physician:

Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:

Explosive Limits:

LEL:

UEL:

Autoignition Pt:

Suitable Extinguishing Media:Water fog or water spray.

Fire Fighting Instructions:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Strong oxidizer. Contact with other material may cause fire. Use water with caution and in flooding amounts. Decomposes at high temperatures, resulting in toxic and corrosive products.

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.
 Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Keep combustibles (wood, paper, oil, etc. ,) away from spilled material.

7. Handling and Storage

Precautions To Be Taken in Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Keep from contact with clothing and other combustible materials. Do not breathe dust. Use only with adequate ventilation. Inform laundry personnel of contaminant's hazards. Do not take working clothes home.

Precautions To Be Taken in Storing: Do not store near combustible materials. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from acids. Store protected from moisture. Avoid storage on wood floors.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	(Trade Secret)			
NA	(Trade Secret)		TLV: 0.1 mg/m3 (persulfate)	
NA	(Trade Secret)		TLV: 1 mg/m3	
NA	(Trade Secret)			

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: Clear, white and tan pellets

pH:

Melting Point:

Boiling Point:

Flash Pt:

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Specific Gravity (Water = 1): 1.06 ± .10
Solubility in Water:
Octanol/Water Partition Coefficient:
Autoignition Pt:
Decomposition Temperature:
Viscosity:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions to Avoid - Instability: Avoid heat.
Incompatibility - Materials to Avoid: Strong oxidizing agents, organic solvents, ether, gasoline, lubricating oils, chlorinated hydrocarbons and aromatic hydrocarbons may react with and degrade polyolefin.
Hazardous Decomposition or Byproducts: Polyolefin may emit various oligomers, waxes and oxygenated hydrocarbons as well as carbon dioxide, carbon monoxide and small amounts of other organic vapors.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions to Avoid - Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Epidemiology: The occurrence of frequent skin rashes, causing both irritant dermatitis & hypersensitivity reactions, was found in workers producing ammonium & potassium persulfates. The rashes were reduced by the use of protective clothing & gloves & improved dustremoval from the workplace air. Others reported asthma in hairdressers that was induced by exposure to persulfates.
Teratogenicity: No information available. Reproductive Effects: No information found.
Mutagenicity: Neurotoxicity:

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	(Trade Secret)				
NA	(Trade Secret)				
NA	(Trade Secret)				
NA	(Trade Secret)				

12. Ecological Information

General Ecological Information: No data available

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
US EPA Waste Number D001.

14. Transport Information

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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not regulated

UN Number:

Hazard Class:

TDG Classification:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not regulated

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not regulated

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not regulated

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	(Trade Secret)	No	No	No
NA	(Trade Secret)	No	No	No
NA	(Trade Secret)	No	No	No
NA	(Trade Secret)	No	No	No

CAS #	Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
NA	(Trade Secret)	No	No	Yes
NA	(Trade Secret)	No	No	Yes
NA	(Trade Secret)	No	No	Yes
NA	(Trade Secret)	No	No	Yes

CAS # Components (Chemical Name)**Other US EPA or State Lists**

NA	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
NA	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
NA	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
NA	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS # Components (Chemical Name)**International Regulatory Lists**

NA	(Trade Secret)	Mexico INSQ: No; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes; Japan ISHL: No; Korea ECL: Yes; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: No;
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NA	(Trade Secret)	Switzerland Gifftliste 1: No; Switzerland INNS: No; REACH: Yes - (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes; Japan ISHL: No; Korea ECL: Yes; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes; Switzerland Gifftliste 1: Yes; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
NA	(Trade Secret)	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes; Japan ISHL: No; Korea ECL: Yes; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: Yes; Israel HSL: No; Germany WHCS: Yes; Switzerland Gifftliste 1: Yes; Switzerland INNS: No; REACH: Yes - (R), (P), C1, M2, T2; Kyoto GHG: No; Rotterdam: No; Stockholm: No
NA	(Trade Secret)	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes; Japan ISHL: Yes; Korea ECL: Yes; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes; Switzerland Gifftliste 1: Yes; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No

Canadian WHMIS Classification:

Regulatory Information: All C.A.S.#'s associated with this product is specified on the public Portion of the Domestic Substances List.

Regulatory Information Statement: All ingredients of this product are listed or exempted from the EPA TSCA Inventory.

16. Other Information

Revision Date: 04/17/2018

Preparer Name: Bryon Wolff (289)894-3723

Additional Information About This Product: This mixture has not been tested as a whole compound. Information provided on the health and safety effects of this compound are based on the individual components.

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