



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name:	XpresS-143		
Product Description:	Proprietary Blend		
Company:	Polymer Processing Tech, LLC	Polymer Processing Tech, LLC	
	PO Box 3117	811 14 th St.	
	Galveston, TX 77552	Galveston, TX 77550	
	USA	USA	
Telephone No.:	409-770-9809	Last Issue Date: January 2012	Current Issue Date: March 2014

SECTION 2. HAZARDS IDENTIFICATION INFORMATION

Emergency Overview

Form: Solid powder
Color: Off white/pale yellow
Odor: Hydrocarbon, wax like mild

Classification of the substance or mixture (GHS-US)

Classification of the substance or mixture: Combustible dust.

GHS-US Label elements, including precautionary statements

Signal word (GHS-US):

Hazard statements (GHS-US):

Precautionary statements (GHS-US):

Warning

May form combustible dust concentration in air

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear eye protection, face protection, protective clothing, protective gloves
If exposed or concerned: get medical advice/attention
Store locked up
Dispose of contents and container in accordance with all local, regional, national and international regulations

Hazards not otherwise classified

Other hazards not contributing to the classification

Dust or particulates may cause mild respiratory tract and eye irritation.
Repeated or prolonged contact may cause slight irritation to the skin
Vapors formed when material is processed at high temperature may be irritating to the eyes and upper respiratory tract.
Contact with skin or eyes with hot material may cause serious thermal burns to skin or eyes.

Unknown acute toxicity (GHS-US)

Not applicable

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical Name	CAS Number	Percent by weight (%)
Maleic Anhydride	108-31-6	proprietary blend
Styrene Ethylene Butadiene Styrene	66070-58-4	
Calcium Stearate	8008-74-0	
Oxidized Polyethylene	68441-17-8	
Hydrocarbon polymer	9011-11-4	
Polyethylene	9002-88-4	

SECTION 4. FIRST AID MEASURES**Description of first aid measures**

Inhalation:	If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
Eye Contact:	In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.
Skin Contact:	Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effects or irritation develops. Wash clothing before reuse.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. However, if ingested, obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Chronic (long-term) health effects may result from repeated overexposure

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water mist
Dry chemical
Carbon Dioxide (CO₂)
Foam
Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards:

Avoid dust formation.
Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard.
Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.
Static charges on powders or powders in liquids may ignite combustible atmospheres.
Watch footing on floors and stairs because of possible spreading of molten material.
Material can create slippery conditions.
In case of fire hazardous decomposition products may be produced such as:
Carbon oxides (CO, CO₂), Toxic fumes.

Advice for Firefighters:



Polymer Processing Tech, LLC **XpresS-143**

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering environment. Fight fire from safe distance and protected location.
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear personal protective equipment. Evacuate personnel to safe areas. Provide adequate ventilation. May form explosive dust-air mixture. Avoid dust formation. Accumulation of dust from this product in the workplace may increase the likelihood or severity of an explosion. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges. Eliminate all ignition sources if safe to do so. Do not swallow. Avoid breathing dust. Avoid contact with skin, eyes and clothing.
Environmental Precautions:	Should not be released into the environment. Prevent product from entering drains.
Clean Up:	Avoid dust formation and electrical charging (sparking) because dust explosion might occur. Do not create a powder cloud by using brush or compressed air. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Use only non-sparking rolls.
For molten products:	If material is molten, allow to cool. Use caution, as material may still be hot after solidification. Spilled material will solidify. Allow to solidify. Scrape up. Shovel into suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Handling:	Wear personal protective equipment. Avoid dust formation. Floors, walls and other surfaces must be regularly cleaned. The material can accumulate static charge and can therefore cause electrical ignition. Static charges on powders or powders in liquids may ignite combustible atmospheres. Take precautionary measures against static discharges. Material can create slippery conditions. Do not swallow. Avoid breathing dust.
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Polymer Processing Tech, LLC XpresS-143

Advise on protection against Fire and explosion:

Avoid contact with skin, eyes and clothing.

All combustible solids have the potential to create a dust explosion hazard. The likelihood of an explosion can be dependent upon many factors, such as the explosive characteristics of the material, the design of the facility, and the manner in which the material is handled. A more detailed discussion can be found in NFPA Bulletin 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids".

Storage:

Keep containers tightly closed in a dry, cool, and well ventilated place.

Keep away from heat and sources of ignition.

Keep away from direct sunlight.

Protect from physical damage.

Store away from incompatible substances. Oxidizing agents

Maximum storage period, 12 months.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures:

Ensure that eyewash stations and safety showers are close to the workstation location.

Do not swallow.

Avoid breathing dust.

Avoid contact with skin, eyes and clothing.

Engineering Measures:

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.

Provide exhaust ventilation if dust is formed.

Use only in an area equipped with explosion proof exhaust ventilation.

Electrical equipment should be protected to the appropriate standard.

If formation of dust is observed, equipment has to be switched off, cleaned and serviced.

Hand Protection:

Protective gloves. When handling hot material, use heat resistant gloves.

Eye Protection:

Wear as appropriate:

Safety goggles with side-shields.

For molten product:

Goggles or face shield, giving complete protection to eyes.

Respiratory Protection:

In case of insufficient ventilation wear suitable respiratory equipment.

Use NIOSH approved respiratory protection.

Skin and Body Protection:

Wear heat protective clothing for handling hot material.

Hygiene Measures:

Wash hands before breaks and at the end of workday.

Remove and wash contaminated clothing before re-use.

Keep working clothes separately.

Occupational Exposure Guidelines:

XpresS-143		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (inhalable dust) 3 mg/m ³ (respirable dust)
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
USA OSHA	Remarks (US OSHA)	Particulates, not otherwise classified

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state:	Solid powder.
Color:	Off white/pale yellow
Odor:	Hydrocarbon wax like mild
pH:	not applicable
Melting point/freezing point:	88-140°C
Boiling point/boiling range:	not determined
Flash point:	>491°F(255°C) Method: closed cup
Flammability:	May form combustible dust concentrations in air
Lower flammability limit:	not applicable
Upper flammability limit:	not applicable
Vapor pressure:	not applicable
Vapor density:	not applicable, (Air=1.0)
Density:	0.85 – 1.08 g/cm ³
Water solubility:	negligible
Partition coefficient:	no data available
Ignition temperature:	not determined

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur. May form combustible dust concentrations in air.
Conditions to Avoid:	Heat, flames, direct sunlight and sparks. Avoid dust formation and electrical charging (sparking) because dust explosion might occur. Avoid exposure to temperatures exceeding recommended processing conditions.
Incompatible Materials to Avoid:	Strong oxidizing agents Amines
Hazardous Decomposition Products:	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified Based on available data, the classification criteria are not met
Skin corrosion/irritation:	Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation:	Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitization:	Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Not classified Lack of data
Reproductive toxicity:	Not classified Lack of data
Specific target organ toxicity (single exposure):	Not classified



Specific target organ toxicity (repeated
Exposure):
Aspiration hazard:

Lack of data
Not classified
Lack of data
Not classified
Not applicable

Potential Adverse human health effects and
Symptoms:
Other information:

Dust or particulates may cause mild respiratory tract and eye irritation.
Product may cause mild skin irritation.
Likely routes of exposure: ingestion, inhalation, skin and eye

SECTION 12. ECOLOGICAL INFORMATION**Further information on ecology**

Additional ecological information: No information on ecology is available.
Not inherently biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT	Not dangerous goods
TDG	Not dangerous goods
IATA	Not dangerous goods
IMDG	Not dangerous goods

SECTION 15. REGULATORY INFORMATION**Inventories:**

U.S. Toxic Substances Control Act:	On the inventory, or in compliance with the inventory
Australia. Industrial Chemical (Notification And Assessment) Act:	On the inventory, or in compliance with the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	On the inventory, or in compliance with the inventory
Japan. Kashin-Hou Law List:	On the inventory, or in compliance with the inventory
Korea. Toxic Chemical Control Law (TCCL) list:	On the inventory, or in compliance with the inventory
Phillippines. The Toxic Substances And Hazardous and Nuclear Waste Control Act:	On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances	On the inventory, or in compliance with the inventory

National regulatory information

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 SARA 313: This material does not contain any chemical components with



Polymer Processing Tech, LLC **XpresS-143**

known CAS numbers that exceed the threshold (DE Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No SARA Hazards

California Prop. 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

WHMIS Classification:

Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard:	0	0
Flammability:	1	1
Physical Hazard:	0	
Instability:		0

Hazard rating and rating systems (e.g. HMIS®III,NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. The information should not constitute a guarantee for any specific product properties.

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End of Safety Data Sheet