



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name:	XpresS-141	
Product Description:	Proprietary Blend	
Company:	Polymer Processing Tech, LLC PO Box 3117 Galveston, TX 77552 USA	Polymer Processing Tech, LLC 811 14 th St. Galveston, TX 77550 USA
Telephone No.:	409-770-9809	
Emergency Contact, 24 Hours:	CHEMTREC 1-800-424-9300	
	Last Issue Date: March 2014	Current Issue Date: January 2018

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):

Warning
May form combustible dust concentration in air

Precautionary statements (GHS-US):

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: Proprietary Blend



SECTION 4. FIRST AID MEASURES

Description of first aid measures

- Inhalation: Remove to fresh air and keep at rest in a comfortable position for breathing. Call physician if irritation develops or persists.
- Skin Contact: Wash off with plenty of soap and water. Call a physician if irritation develops or persists.
Heated Material: For serious burns from heated material, get medical attention. In case of skin contact, immediately immerse in or flush with clean, cold water. Do not attempt to remove adhered material from skin.
- Eye Contact: Rinse cautiously with plenty of water for several minutes. Call a physician if pain, blinking, tears, redness or irritation develops or persists.
- Ingestion: Unlikely route of exposure. If swallowed, rinse mouth with water (only if the person is conscience). Never give anything by mouth to an unconscious person. Do **NOT** induce vomiting. Consult a physician if necessary.

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:

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.



SECTION 5. FIRE-FIGHTING MEASURES *continued*

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.
Avoid contact with skin, eyes and clothing.

Advise on protection against Fire and explosion: 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



SECTION 7. HANDLING AND STORAGE continued

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/r 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:

Table with 3 columns: Agency, Metric, and Value. Rows include XpresS-141, USA ACGIH (TWA), USA OSHA (PEL), and USA OSHA (Remarks).



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 Lack of data
Specific target organ toxicity (repeated Exposure):	Not classified Lack of data



SECTION 11. TOXICOLOGICAL INFORMATION continued

Aspiration hazard:	Not classified Not applicable
Potential Adverse human health effects and Symptoms:	Dust or particulates may cause mild respiratory tract and eye irritation. Product may cause mild skin irritation.
Other information:	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.
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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Observe all Federal, State, and Local Environmental regulations.
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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
Taiwan. Chemical Substance Inventory	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
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SECTION 15. REGULATORY INFORMATION continued

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

Current revision/issue: added CHEMTREC and Emergency Contact

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