

MSDS *Material Safety Data Sheet*

Interfacial Solutions - PR146 deTerra

MSDS Number: PR146

Revision Date: 11/02/2010

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Interfacial Solutions
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Product Name: Interfacial Solutions - PR146 deTerra
Revision Date: 11/02/2010
Version: A
MSDS Number: PR146
Common Name: Modified Polylactide Resin

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes, Inhalation, and Skin are possible routes of entry for mechanical irritation. Ingestion is not a likely route of entry.

Target Organs: Eyes, Inhalation, and Skin are target organs for mechanical irritation.

Inhalation: Inhalation of dust or processing fumes may cause shortness of breath, tightness of the chest, a sore throat and cough.

Skin Contact: Substance may cause skin irritation. Contact with molten material may cause thermal burns.

Eye Contact: Contact with eyes may cause mechanical irritation. Processing fumes may cause irritation.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

HMIS® Rating H1/F1/PH0

NFPA-ratings (scale 0-4): Health = 1, Fire = 1, Reactivity = 0

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	X

This is a polymeric compound. All ingredients are encapsulated in the polymer and present no likelihood of exposure under normal conditions of processing and handling.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	Amount
Halogen Free Flame Retardant	Proprietary	< 20%

This material is classified as hazardous under OSHA regulations.

4 FIRST AID MEASURES

Inhalation:	Move to fresh air. Call a physician immediately. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Promptly flush skin with water until all chemical is removed. Get medical attention if needed. A burn from molten material should be treated as a thermal burn. Hot material tends to cling to flesh especially after solidifying. Cool with cold water after contact with hot polymer.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Drink large quantities of water. Get prompt, qualified medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	N/A
Autoignition Temperature:	N/A
LEL:	Not determined
UEL:	Not determined
Flammability Classification:	N/A

Dry powder, foam, carbon dioxide.

Wear self contained breathing apparatus and other protective clothing.

Hazardous decomposition products: Burning produces obnoxious and toxic fumes Aldehydes, Carbon monoxide (CO) and Carbon dioxide (CO₂)

Other: Fine dust dispersed in the air may ignite.

6 ACCIDENTAL RELEASE MEASURES

Sweep up, place in bag and hold for waste disposal.

Minimize the release of particulates.

Do not discharge into drains.

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7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mist.
Avoid contact with eyes, skin, or clothing.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Avoid contact with molten material.
Handle with care and avoid spillage on the floor (slippage).

Storage Requirements: Keep away from heat, sparks, and flames.
Store in cool/dry area

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use mechanical (general) ventilation for storage areas.
Use local exhaust for dust and fumes when processing and handling.

Protective Equipment: HMIS PP, X | Consult your supervisor for special instructions
Usage of safety glasses/ goggles is recommended.
Dust respirator if the dust exposure limits are exceeded. Consult with an industrial hygiene professional prior to respirator selection and use. Gloves

Exposure Guidelines/Other: OSHA 8 hour TWA - 15 mg/m³ (Total dust)
OSHA 8 hour TWA - 5 mg/m³ (Respirable dust)
ACGIH 8 hour TWA - 10 mg/m³ (Inhalable dust)
ACGIH 8 hour TWA - 3 mg/m³ (Respirable dust)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White pellets	Boiling Point:	N/A
Physical State:	Solid Pellets	Freezing/Melting Pt.:	N/A
Odor:	Sweet	Solubility:	N/A
pH:	N/A	Spec Grav./Density:	N/A
Vapor Pressure:	N/A		
Vapor Density:	N/A		

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to avoid: Temperatures above 446F (230C)

Materials to avoid (incompatibility): Strong Oxidizing Agents. Strong acids and bases..

Hazardous Decomposition products: Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide and aldehydes.

Hazardous Polymerization: Will not occur.

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11 TOXICOLOGICAL INFORMATION

No data is available.

12 ECOLOGICAL INFORMATION

No data is available.

13 DISPOSAL CONSIDERATIONS

This material, if discarded as produced, is not a RCRA "listed" hazardous waste. However, it should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

Land (DOT) Not regulated for land transport.

Land (TDG) Not regulated for land transport.

Sea (IMDG) Not regulated for sea transport.

Air (IATA) Not regulated for air transport.

15 REGULATORY INFORMATION

Sara 313 title III: This product does not contain any chemical, which is listed in Section 313 at or above the "de minimis" level.

All ingredients for this product are either exempt or listed on the TSCA inventory.

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OTHER INFORMATION

N/A: Not Applicable N/D: Not Determined

N/I: No Information N/E: Not Established

The information and recommendations contained in this Data Sheet are believed to be accurate and represent the best information currently available to us, but no warranty, guarantee or representation is made by Interfacial Solutions LLC as to the absolute correctness or sufficiency of the information and recommendations in this Data Sheet; nor can it be assumed that all possible safety measures are contained in this Data Sheet or that other measures may not be required under varying circumstances.

END OF MSDS DOCUMENT