



SAFETY DATA SHEET

Glacier™ MATERIAL

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: DynaFlex® Glacier™ -- Copolyester

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Plastics

Uses advised against: None known.

Details of the supplier of the safety data sheet

Manufacturer / Supplier

DYNAFLEX
10403 International Plaza Dr.
St. Louis, MO 63074 US
+3144264020

Visit our website at www.DYNAFLEX.com or email info@dynaflex.com

Emergency telephone number:

For emergency health, safety, and environmental information, call 1-314-426-4020.

SECTION 2: HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Combustible dust

GHS label elements

Signal Word : Warning

Hazard Statements : If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

Precautionary Statements : **Disposal:**
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None Known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
polymer	proprietary	100



SAFETY DATA SHEET

Glacier™ MATERIAL

SECTION 4. FIRST AID MEASURES

- If inhaled : Move to fresh air.
Treat
symptomatically.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.
If symptoms persist, call a physician.
Cool skin rapidly with cold water after contact with molten
material.
Do not peel solidified product off the
skin. Burns must be treated by a
physician.
- In case of eye contact : In the case of contact with eyes, rinse immediately with
plenty of water and seek medical advice.
- If swallowed : Seek medical advice.
- Most important symptoms and effects, both acute and delayed : The molten product can cause serious burns.
- Notes to physician : Treat Symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Dry chemical
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and
spread
fire.
- Specific hazards during fire fighting : Avoid generating dust; fine dust dispersed in air in
sufficient concentrations, and in the presence of an
ignition source is a potential dust explosion hazard.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Minimize dust generation and
accumulation.
- Special protective equipment for fire-fighters : Wear an approved positive pressure self-contained
breathing apparatus in addition to standard firefighting gear.



SAFETY DATA SHEET

Glacier™ MATERIAL

SECTION 6. ACCIDENTAL RELEASE MATERIALS

- Personal precautions, protective Equipment and emergency procedures : Wear appropriate personal protective equipment.
: Local authorities should be advised if significant spillages cannot be contained.
- Environmental Precautions : Avoid release to the environment
- Methods and materials for containment/clean-up : Sweep up and shovel into suitable containers for disposal

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Minimize dust generation and accumulation.
- Advice on safe handling : Wash thoroughly after handling.
Use only in area provided with appropriate exhaust ventilation.
Minimize dust generation and accumulation.
- Conditions for safe storage : Keep tightly closed.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Wear respiratory protection when its use is identified for certain contributing scenario.
- Hand Protection : Wear suitable gloves. When handling hot material, use heat resistant gloves.
- Eye protection : Safety glasses
Wear a face shield when working with molten material.
- Skin and body protection : Wear suitable protective clothing.
- Protective measures : Ensure that eye flushing systems and safety showers are close to working place



SAFETY DATA SHEET

Glacier™ MATERIAL

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: pellets
Color	: colorless
Odor	: slight
Odor Threshold	: not determined
pH	: not determined
Softening point	: > 212 °F / > 100 °C
Boiling point/boiling range	: not determined
Flash point	: not applicable, combustible solid
Evaporation rate	: not determined
Flammability (solid, gas)	: May form combustible dust concentrations in air during processing, handling or other means.
Self-ignition	: 849 °F / 454 °C Method: ASTM E659
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapor pressure	: not determined
Relative vapor density	: not determined
Relative density	: > 1 (estimated)
Solubility(ies) Water solubility	: negligible
Partition coefficient: noctanol/water	: No data available
Autoignition temperature	: not determined
Decomposition temperature	: Thermal stability not tested. Low stability hazard expected at normal operating temperatures



SAFETY DATA SHEET

Glacier™ MATERIAL

Viscosity

Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Explosive properties : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : None reasonably foreseeable.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Stable

Conditions to avoid : Minimize dust generation and accumulation.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon monoxide
Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks : No data available

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks : No data available



SAFETY DATA SHEET

Glacier™ MATERIAL

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information

Respiratory sensitization

Not classified based on available information

Product

Remarks: Information not available

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Product:

Effects on fertility : Remarks: No data available

STOT-single exposure Not classified based on available information.

Product:

Remarks : No data available

STOT-repeated exposure Not classified based on available information.

Product:

Remarks : No data available

Aspiration toxicity Not classified based on available information.

Product:

No data available

Product:

Inhalation : Remarks: None known.

Skin contact : Remarks: The molten product can cause serious burns.

Eye contact : Remarks: The molten product can cause serious burns.

Ingestion : Remarks: None known.



SAFETY DATA SHEET

Glacier™ MATERIAL

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust

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.



SAFETY DATA SHEET

Glacier™ MATERIAL

California Prop. 65

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

The ingredients of this product are reported in the following inventories:

DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory

TSCA list

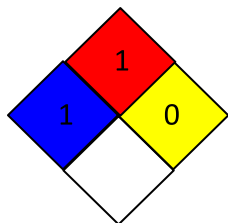
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.



SAFETY DATA SHEET

Glacier™ MATERIAL

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC

- International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -

United Nations Recommendations on the Transport of Dangerous Goods; vP vB - Very Persistent and Very Bioaccumulative

Disclaimer: Our technical advice, information and statements – given verbally, in writing or in the form of test results – are offered for your guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. This also applies where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of the products.