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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product NameBioBlend XD 25250 BioPolymerCommon NamesBioBlend XD25250, XD25251

Product Use Plastic resin for rigid products such as injection molding,

thermoforming, sheet extrusion, etc.

BiologiQ Inc.

Manufacturer 3834 Professional Way

Idaho Falls, ID 83402

Emergency Number 1-208-357-9650

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification and Label Elements

Category Combustible Dust (OSHA Defined)

Label Content

Pictogram Not required Signal word WARNING

Hazardous warnings May form combustible dust concentrations in air.

Hazardous prevention Not required

measures

Other Hazards

Physical / Chemical Hazards

Combustible Dust If small particles are generated during further

processing, handling or by other means, may form

combustible dust concentrations in air.

Health Hazards

Eye H320: Causes eye irritation. Particles may cause

mechanical irritation.

Skin Contact H316: Causes skin irritation. Only when hot.

Inhalation Low order of toxicity.

Ingestion No hazard in normal industrial use.

Environmental Hazards No significant hazard

NFPA Hazard ID Health: 1 Flammability: 1 Reactivity: 0

HMIS Hazard ID Health: 1 Flammability: 1 Reactivity: 0



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SECTION 3. COMPOSITION	N/INFORMATION ON INGREDIENTS

 Name
 CAS #
 Concentration
 GHS Hazard Codes

 NuPlastiQ® GP BioPolymer N/A

 Adhesive Resin
 N/A

 Polypropylene
 9010-79-1
 N/A

 Additives
 Trade secret
 <1%</td>
 N/A

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provision of paragraph (i).

SECTION 4. FIRST-AID WEASURES		
Eye Contact	Flush	

Eye ContactFlush eyes with large amounts of water until irritation stops. Seek medical attention if irritation persists.

Skin Contact Wash with soap and water.

For hot product: immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt

medical attention.

Inhalation Remove to fresh air.

Ingestion Not a probable route of exposure. However, in case of

accidental ingestion, call a physician.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing Media Dry chemical; Water fog **Unsuitable Extinguishing Media** No applicable data available.

Specific Hazards 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. Do

not permit dust to accumulate.

Protective Equipment Self-contained breathing apparatus.

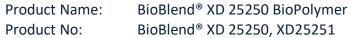
Decomposition productsHazardous decomposition products such as carbon

oxides (CO, CO2), aldehydes, ketones, hydrocarbons

and organic vapors are possible.

Flammability Properties

Flash Point No data



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Flammability Limits LEL: N/D UEL: N/D

Autoignition Temperature N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

Safeguards Avoid the generation or accumulation of dust in the air.

Good housekeeping practices should be used to avoid

dust build up.

Spill Clean Spilled material is a slipping hazard on hard surfaces.

Sweep, scoop or vacuum up pellets and remove.

Spills of fine material should be cleaned using gentle sweeping or vacuuming. Cleaning methods (e.g. compressed air) which can generate potentially combustible dust clouds should not be used.

Environmental Precautions Do not discharge to streams, ponds, lakes or sewers.

Disposal Method In accordance with existing local/state/federal

regulations.

SECTION 7. HANDLING AND STORAGE

Handling Minimize dust generation and accumulation. Institute

routine housecleaning to ensure dust does not

accumulate on surfaces.

Pneumatic conveying and other mechanical handling operations can generate combustible dust. Avoid significant deposits of material which may become airborne and form combustible dust clouds. Handling and

processing operations should be conducted in accordance with best practices (e.g. NFPA-654).

Ensure good ventilation of the work station. Wear

protective equipment. Do not overheat the product. Avoid

contact with heated product to avoid burns.

Loading/Unloading Temperature [Ambient]

Transport Temperature [Ambient]
Transport Pressure [Ambient]

Storage Store in cool dry place with adequate ventilation.

Storage Temperature [Ambient]
Storage Pressure [Ambient]

Suitable Containers/Packing Bulk Containers, Bags. Store sealed to prevent moisture

absorption and decomposition.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values for materials that can be formed when handling this product

For dusty conditions, OSHA recommends for particulates not otherwise regulated an 8-hour TWA of 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction); ACGIH recommends for insoluble and poorly soluble particles not otherwise specified an 8-hour TWA of 10 mg/m3 (inhalable particles), 3 mg/m3 (respirable particles). NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

Under recommended processing conditions, this material has been shown to emit elevated concentrations of glycerol mist (CAS 56-81-5). This may cause smoke and possible odor during processing. OSHA does not list Glycerol mist as a hazardous material with specific exposure limits.

Engineering Controls The level of protection and types of controls necessary will

vary depending upon potential exposure conditions. Processors of this product should assure that adequate ventilation or other controls are used to control exposure.

Provide readily accessible eye wash stations and safety

showers.

Personal Protection

Hand Protection If product is hot, thermally protective, chemical resistant

gloves are recommended. If contact with forearms is likely,

a long sleeve shirt or gauntlet style gloves is

recommended.

Eye Protection If contact with hot material is likely, safety glasses with side

shields are recommended.

Skin and Body Protection If there is a potential for contact with hot product, thermally

protective clothing and footwear is recommended.

Respiratory Protection If engineering controls do not maintain acceptable airborne

contaminate levels, an approved respirator may be

appropriate. Typical type: Particulate air-purifying respirator

approved for dust / oil mist is recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

General Information / Appearance

Physical State Solid

Form Resin Pellets

Type Mixture

Color Opaque, off-white to tan



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Odor N/D Odor Threshold No data available Important Health, Safety, and Environmental Information Relative Density N/A N/A pH as is N/A pH in 1% Solution **Boiling Point** N/A **Partition Coefficient** N/A Specific Gravity N/D **Evaporation Rate** N/A Vapor Pressure (mm Hg) N/A Vapor Density N/A Volatiles N/A Volatile Organic Compounds N/A Auto ignition Temperature N/A Flammability (solid, gas) May form combustible dust concentrations in air. Flash Point N/D Upper Explosion Limit N/D Lower Explosion Limit N/D **Decomposition Temperature** N/D N/A Oxidizing Properties Viscosity N/A Other Information Freezing Point N/A **Melting Temperature** N/A Molecular Weight >10,000 Solubility in Water Low

SECTION 10. STABILITY AND REACTIVITY

Reactivity No applicable data available.

Stability Material is stable under normal conditions.

Conditions to Avoid Temperatures > 300°C (>572°F)

Materials to Avoid Strong Oxidizers



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Hazardous Decomposition Products This product does not undergo spontaneous

decomposition.

Hazardous decomposition products may include but are not limited to: Carbon dioxide (CO₂), Carbon monoxide,

Organic acids, Aldehydes, Alcohols, Acrolein,

Formaldehyde, Acetaldehydes

SECTION 11. TOXICOLOGICAL INFORMATION

Product Toxicology

Oral Toxicity

Dermal Toxicity

Inhalation Toxicity

Eye Irritation

Not classified

Not classified

Not classified

Chronic (Long-Term) Effects of Exposure

Route of Entry Eye, skin, inhalation, ingestion

Effects of chronic exposure None Target Organs N/A

Special Health Effects None known

Other Information

Carcinogenicity Not classified

Dust May be irritating to the eyes and respiratory tract.

Additives Contains additives that are encapsulated in the polymer.

Under normal processing conditions, the additives are not expected to pose any health hazard. However, grinding of

the polymer is not recommended without the use of

appropriate measures to control exposure.

SECTION 12. ECOLOGICAL INFORMATION

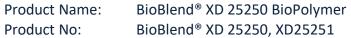
Biodegradability N/D

Incinerability Incinerable

Toxic VolatilesNone expected with complete combustion

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Recommendations



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Waste Disposal Methods: In accordance with existing federal/state/local

environmental regulations.

Empty Containers: Empty container may contain product residue; follow SDS

and label warnings even after containers have been

emptied.

SECTION 14. TRANSPORT INFORMATION

Land (DOT) Not regulated for Land Transport

Sea (IMDG) Not regulated for Sea Transport Not regulated for Air Transport Air (IATA)

SECTION 15. REGULATORY INFORMATION

U.S. Regulations

SARA 313 title III ND

SARA 311/312 Hazard Class Combustible Dust

TSCA Inventory List ND

US State Regulations

Created:

No additional information available.

International Inventories

Canada DSL Inventory List ND China inventory of Existing ND

Chemical Substances list:

Original Updated naming from NuPlastiQ® XD to BioBlend® XD. Modified: 25 Feb 2019

Revision: 08 Jan 2021 Updated company address.

N/D = Not determined, N/A = Not applicable

30 Jan 2019

Key to the H-Codes contained in Section 3 of this document (for information only)

H316: Causes mild skin irritation. Only when hot.

H320: Causes eye irritation. Particles may cause mechanical irritation.

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This SDS covers the following BioBlend® XD BioPolymers: BioBlend® XD 25250 and BioBlend XD 25251.

The information provided in this 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 guidance to 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.