

## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER**

GENYK Inc.  
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**PRODUCT**

Trade Name: BOREAL NATURE elite FOAM  
Chemical Name: Rigid Polyurethane Foam

Emergency Telephone number: CHEMTREC 800-424-9300 / CANUTEC 613-996-6666

### SECTION 2: HAZARDS IDENTIFICATION

**PICTOGRAM**

**Potential Health Effects**

Eye Contact: May cause mechanical irritation  
Skin Contact: May cause mechanical irritation  
Inhalation: May cause mechanical irritation  
Ingestion: May cause choking.

**Carcinogenicity**

The components of this product are not listed by IARC or regulated as a carcinogen by OSHA.

**Emergency Overview**

Irritating to eyes, respiratory system and skin. May be harmful if swallowed.

### SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%
Polyurethane Plastic	9009-54-5	100 %

### SECTION 4: FIRST-AID MEASURES

If in eyes	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.
If on skin	Wash with soap and water.
If inhaled	Move the affected person to fresh air. Assist in breathing if necessary.
If swallowed	No adverse effects anticipated by this route.

### SECTION 5: FIRE-FIGHTING MEASURES

Auto Ignition Temperature	345 – 430 °C ( 653 - 806°F)
Suitable Extinguishing Media	Water spray, dry powder, carbon dioxide, or chemical foam.
Hazardous decomposition	Under fire conditions, carbon monoxide, carbon dioxide, hydrogen halides, phosphorous oxide and possible traces of hydrogen cyanide and nitrogen oxides.
Protective equipment for fire-fighting	Firefighters should be equipped with self-contained breathing apparatus.
Precautions	Rigid polyurethane foam, like other organic materials such as paper, wood and cotton, can present fire risks in some application when exposed to ignition sources. Once ignited, fires can burn rapidly and produce rapid flame spread, quick flashover, toxic or flammable gases, dense smoke and intense heat. In no event should the polyurethane foam remain exposed or unprotected. Do not apply foam to interior wall and ceilings or other space enclosures without prompt and subsequent application of approved thermal barriers. No welding or flame cutting until proper surface protection has been provided.

	Respect 2 inches maximum thickness per pass. Do not apply foam with total successive passes thickness greater than 4 inches, it may cause spontaneous combustion of the foam to occur, often hours after the foam was applied. For application greater than 4 inches, allowed first 4 inches thick successive passes of installed foam to cool down before applying any additional lift.
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<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
Not Applicable	

<b>SECTION 7: HANDLING AND STORAGE</b>	
General Information	Keep away from open flame, electrical or mechanical sparks, electric heaters, high powered lights, flame sources and flammable liquids and gases. Protect all indoor bun and sheet storage areas with fusible sprinkles.

<b>SECTION 8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION</b>		
<b>EXPOSURE LIMIT VALUES</b>		
Ingredients	WEEL (AIHA) (TWA) – 8 hr	OSHA PEL (TWA) – 8 hr
Polyurethane plastic	N/A	N/A
<b>INDIVIDUAL PROTECTION EQUIPMENT</b>		
Respiratory Protection	Dust mask during cutting.	
Eye Protection	Use appropriate safety glasses.	
Skin Protection	Non-required	
General Safety and Hygiene Measures	Wash soiled clothing immediately.	

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>	
Appearance	Rigid cellular plastic
Odour	Neutral
Color	Green
Density	1.96 to 2.45 lb/pi <sup>3</sup>
Auto Ignition temperature	345 – 430 °C ( 653 - 806°F)
Decomposition temperature	>125°C (>257°F)
Solubility in Water	None

<b>SECTION 10: STABILITY AND REACTIVITY</b>	
Chemical Stability	The product is chemically stable.
Incompatibility	None known.
Conditions to avoid	Avoid exposure to moisture and low (<0°C) and high temperatures. Avoid open flame.
Substances to avoid	None
Hazardous Decomposition Products	Under fire conditions, carbon monoxide, carbon dioxide, hydrogen halides, phosphorous oxide and possible traces of hydrogen, cyanide and nitrogen oxides.
Corrosion to Metals	No corrosive effect on metal.
Chemical Resistance	Stable in the presence of most solvents found in binders, bituminous, material, wood preservatives and sealers. Resistant to facers containing plasticizer, fuel, mineral oil, weak acids and weak bases. Resistant to fungi and microbes. UV rays causes a yellowing of the foam surface and with time will degrade the surface.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>POTENTIAL ACUTE HEALTH EFFECTS</b>	
Eye Contact	May cause irritation.
Skin Contact	May cause irritation.
Inhalation	May cause irritation.

Ingestion	No adverse effects anticipated by this route.
<b>POTENTIAL CHRONIC HEALTH EFFECTS</b>	
Sensitization	Not known or reported.
Carcinogenic Effects	The components of this product are not listed by IARC or regulated as a carcinogen by OSHA.
Mutagenic Effects	Not known or reported.
Developmental Effects	Not known or reported.
Reproductive Effects	Not known or reported.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>	
Ecological testing has not been conducted for this product.	
Aquatic Toxicity	No data on product itself.

<b>SECTION 13: DISPOSAL INFORMATION</b>	
Waste Disposal Method	Waste must be disposed of in compliance with federal, state, provincial and local environmental control regulations. Dispose of via licensed waste disposal company.

<b>SECTION 14: TRANSPORTATION INFORMATION</b>	
Technical Name	Boreal Nature elite Foam
Land Transport TDG	Non-regulated
Sea Transport IMDG	Non-regulated
Air Transport IATA/ICAO	Non-regulated

<b>SECTION 15: REGULATORY INFORMATION</b>	
WHMIS	Non-regulated
CEPA (DSL)	Non-regulated

<b>SECTION 16: INFORMATION</b>	
This product does not contain ozone depleting substances	
<p>The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty expressed or implied is given. Regulatory requirements are subject to change and may differ from one location to another; It is user's responsibility to ensure that its activities comply with country, provincial and local laws.</p> <p>This product may present hazards and should be used with caution. While certain hazards are described in this publication, no guaranteed is made that these are only hazards that exist. Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.</p>	
Prepared by	Genyk Inc.
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