



# MATERIAL SAFETY DATA SHEET

Last Update June 2020

## **SECTION 1: PRODUCT IDENTIFICATION.**

**Name:** Polynum<sup>TM</sup> Thermal Reflective Insulation

**Description:** High Resistance Aluminum Foil / Multi Directional Re-enforced NET (optional) / 4.00mm or 8mm fire retardant PE single or double Bubbles XPE Foam (optional) / High Resistance Aluminum Foil or Metallized PET film

**Supplier:** Polynum C.L.P Insulation Ltd or an authorized distributor

## **SECTION 2: HAZARDOUS INGREDIENTS.**

Polynum products are not considered to be hazardous, and are not classified as “controlled products”. They consist mainly of Polyethylene film and Aluminum foil that are not hazardous

## **SECTION 3: PHYSICAL DATA.**

BOILING POINT: Not applicable

TEMPERATURE RANGE: -50°F to 203°F / -46°C to 95°C

MELTING POINT: (°C) 145°

WATER VAPOUR PERM: <0.01perms

APPEARANCE: Flexible foil supplied in reels or sheets

ODOUR: None

## **SECTION 4: FIRE & EXPLOSION DATA.**

FLAME SPREAD: Will not exceed 20 (ASTM E84-94)

SMOKE DENSITY: Will not exceed 60 (ASTM E84-94)

IGNITABILITY: 0 (AS1530.3)

SPREAD OF FLAME: 0 (AS1530.3)

HEAT RELEASED: 0 (AS1530.3)

SMOKE DEVELOPMENT: 0 (AS1530.3)

**\*FLAMMABILITY INDEX < 5 (AS 1530.2) \*For Gold and Antiglare products only**

SURFACE FLAME SPREAD:1 (BS 476:Part 7)

**\*\*FIRE PROPOGATION: 0 (BS 476:Part 6) \*\*For Fire Retardant products with 18 microns alum foil**

**\*\*\*NON-DRIPPING PE: PASS (SNPE-M1) \*\*\*For Fire Retardant products**

LEANEAR SHRINKAGE: None

DELAMINATION (WET): Pass (Complies)

DELAMINATION (DRY) Pass (Complies)

EXTINGUISHING MEDIA: CO<sup>2</sup>, DRY CHEMICAL, WATER OR FOAM

USUAL FIRE HAZARDS: Bubble barrier foil materials are not highly flammable, but in contact with the flame they will melt and burn

### **SECTION 5: REACTIVITY DATA.**

STABILITY: Products are stable and inert to most chemicals. None cause violent reaction.

INCOMPATABILITY: Consult with manufacturer prior to using as a containment or barrier for chemicals other than water.

### **SECTION 6: HEALTH & FOOD HAZARD DATA.**

INHALATION: None

EYES & SKIN : None

INGESTION: Nonedible product

CONTACT WITH FOOD: Yes

COMPLY WITH: FDA regulations: Title 21, Section 177.1520,  
Title 21 CF, R 178.3910

FOOD MIGRATION TESTS: MigrationIntoWater”:  
< 1 (mg/dm<sup>2</sup>)  
< 11(mg/kg)  
According to EEC Directives:  
Directive 85/572/EEC, No. L372/16: Annex List of Stimulants  
Directive 95/128/EEC, No. L75/21: No. L75/22  
Directive 82/711

### **SECTION 7: SPECIAL PRECAUTION & HANDLING INFORMATION.**

The products require no special precautions when handling. However, the product may become slippery when wet, care should be taken while walking on the wet product.

**SECTION 8: FIRST AID MEASURES:**

NOT APPLICABLE

**GENERAL REMARK:**

C.L.P. MANUFACTURE IS HACCP CERTIFIED MANUFACTURE ACCORDING TO DS3027/CODEX ALIMENTARIUS WHICH IS A BASIC CONDITION FOR FOOD RELATED MANUFACTURE PRODUCTS.

**NOTE:**

THE INFORMATION CONTAINED IN THIS SHEET IS DISCLOSED IN GOOD FAITH AND IS PROVIDED TO THE BEST KNOWLEDGE OF THE MANUFACTURER. NEVERTHELESS IT IS NOT A WARRANTY AND POLYNUM INSULATION C.L.P LTD. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED FROM THE USE OR INABILITY TO USE THE PRODUCT

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