MATERIAL SAFETY DATA SHEET

According to Regulation 1907/2006 EC Evaluation(amedment 2015/830), Authorisation and Restriction of Chemicals (REACH)

Section 1: INDENTIFICATION OF THE FILM AND OF THE COMPANY

1.1 Product identifier: VAKPAK film, VAKPAK bags BIAXPAK PE film, BIAXPAK PE bags, BIAXPAK PP film, BIAXPAK PP bags, BIAXPAK PE AF film, , BIAXPAK PE AF bags, BIAXPAK PP AF film, BIAXPAK PP bags, TRIPLEXPAK film, TRIPLEXPAK bags, OPTIPAK film, OPTIPAK bags, REPAK film, ECOPAK film, APET film, CPP film, CPP bags, PE film, PE bags, HDPE film.

1.2 Relevent indetified uses and uses advised against: Polymer Article / Packaging material

1.3 Details of the supplier of the safety data sheet :

Company:
UAB LIETPAK
A. Mickevicius str. 165
Cekoniskes settlement
LT-14207 Vilnius district
Lithuania

Section 2. HAZARDS IDENTIFICATION

2.1 Classification

2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

According to the Regulations (EC) 1272/2008 and 1907/2006 and subsequent amendments this product is classified as not dangerous.

2.2. Label elements:

This substance is not classified as dangerous according to Regulation 1272/2008 EEC.

2.3 Other hazards:

- plastics bag or liner may cause static ignition hazard
- skin or eye contact with hot polymer can cause thermal burns
- processing the polymer at high temperatures may form vapors that irritate the eyes and respiratory tract
- risk of dust explosion if generating dust
- generating toxic gases in melting or burning process

Section 3. COMPOSITION/INFORMATION ON INGRIDIENTS

Name	Cas No:	%
Polyamide polymer	24993-04-2 25038-54-4	max 50
Ethylene vinyl alcohol polymer	26221-27-2	max 20
Polyethylene polymer	9002-88-4 25213-02-9 25087-34-7	max 100
Polypropylene polymer	9003-07-0	max 100
Poly ethylene terephtalate polymer	25038-59-9	Max 100
Others		max 10

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures after skin contact	At room temperature the product is not considered harmful when in contact with skin. In case of skin contact with molten polymer immediately submerse the affected area in cold water to cool down polymer. Get medical attention immediately. However, use of protective gloves/clothing is good industrial practice.

First-aid measures after eye contact	At room temperature the product is not considered hazardous in contact with eyes. In case of eye contact with molten polymer, cool under running water. Do not attempt to remove molten polymer. Get medical attention immediately.
First-aid measures after inhalation	Fumes and vopours produced by heated or burnt material may be irritating for the respiratory track. Bring patient into fresh air; get medical advice immediately.
First-aid measures after ingestion	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	Nuisance dusts can be irritating to the upper respiratory track. Irritating vapors may form when the polymer is processing at high temperatures.
Symptoms/injuries after skin contact	Contact with skin or eyes with hot material may cause serious thermal burns to skin or eyes. Get medical attention immediately.
Symptoms/injuries after eye contact	Eye Contact may cause mechanical damage, irritation of eyes mucous. Contact with hot product may cause serious burns.
Symptoms/injuries after ingestion	Ingestion/aspiration may cause choking hazard, gastrointestinal blockage irritation of digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

No specific advice. Treat according to symptoms present. If necessary seek medical advice.

Section 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media	Water in spread jet, dry chemicals, foam or carbon dioxide
Unsuitable extinguishing media	Do not use water jets for extinguishing fire, since they could help to spread the flames

5.2 Special hazards arising from the substance or mixture

Hazordous decomposition products in case of fire:

Carbon oxides(CO2, CO). Aldehydes. Ketones.Hydrocarbons.Hydrogen cyanide. Hydrocyanic acid. Fire will produce dense black smoke. Soot.

5.3 Advice for firefighters

Stop the fire spreading, call the Fire brigade immediately, evacuate non-essential personal. Complete protective clothing and self contained breathing equipment should be made available for fireman. Act according to local laws. Dispose of fire debris and contaminated extinguishing water in accordance with official regulation.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. For non-emergency personnel

Avoid inhalation of dust and contact with skin and eyes. Material creates a slipping hazard on hard surfaces. Clean up spills from walking surfaces immediately.

6.2 Environmental precautions

Do not release spilled product into soil, river, sea or the public water courses.

6.3 Methods and material for containment and cleaning up

Land Spill	Not applicable; product is not a liquid or flowable powder, collect in a box and dispose as scrap or recycle properly
Water Spill	Collect material and dispose as scrap or recycle properly

Section 7. HANDLING & STORAGE

7.1 Precautions for safe handling

Please take necessary work safety measures for handling loads. All equipment shall be grounded.
Develop static electricity – remove packaging film in an area free from ignitable vapors/dust.

WARNING: to avoid dander of suffocation, keep this bag away from babies and children, do not use in crebs, beds, carriages, or playpens. This bag is not a toy. Knot before throwing away.

7.2 Conditions for safe storage

Products must be stored in premises with a roof which is protecting the product against direct sunlight, under 15-25ºC temperature, 40-60 % relative humidity and at least 1m distance from heating appliances.
Develop static electricity – remove packaging film in an area free from ignitable vapors/dust.

Do not smoke
Do not use open fire
Use safe electric equipment

7.3 Specific end use(s)

Same as mentioned in section 1.2

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parametre

Engineering Controls

Good general ventilation should be sufficient for most conditions.

8.2 Exposure controls

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Color	Transparent or color film, bags
Odor	Odourless
Odour threshold	Not applicanble
Vapor Pressure	Not applicanble
Vapor Density	Not applicanble
Boiling Point	Not applicanble
Solubility in Water / Miscibility	Nil.
Specific Gravity or Density	Not applicanble
Ignition temperature	300 °C

9.2 Other information

No additional information available

Section 10. STABILITY & REACTIVITY

10.1 Reactivity

The product is stable and non reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal atmospheric conditions

10.4 Conditional to avoid

Do not heat to temperature exceeding 200 ˚C

10.5 Incompatible materials

Oxidizing agents. Halogens. Strong acids

10.6 Hazardous decomposition products

carbon monoxide, hydrogen cyanide; hydrocyanic acid, ε-caprolactam

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Property	**Results**
Acute oral toxicity	Not classified
Acute Inhalation toxicity	Not classified
Acute dermal toxicity	Not classified
Property	**Results**
Skin corrosion/irritation	Not classified. Not a skin irritant. Skin contact with melted/heated product may cause serious thermal burns.
Serious eye demage/eye irritation	Not an yey irritant. Mechanical irritation is possible. Eye contact with melted/heated
	product may cause serious thermal burns**.**
Sensitization:	
Skin sensitization	Not classified. No data available
Respiratory system	Not classified. No data available
Repeated dose toxicity	
Chronic oral toxicity	Not classified. No data available
Chronic inhalation toxicity	Not classified. No data available
Chronic dermal toxicity	Not classified. No data available
Germ cell mutagenicity	
In vitro data	Not classified. No data available
In vivo data	Not classified. No data available
Toxicity for reproduction	
Effects on fertility	Not classified. No data available
Developmental toxicity	Not classified. No data available
STOT - single exposure	Not classified. No data available
STOT - repeated exposure	Not classified. No data available
Other effects	None

Section 12. ECOLOGICAL INFORMATION

At normal conditions polyehtylene is a very stable product.
Product does not form toxic compounds with other substances in air and water.
The product is poorly biodegradable but does not pose a hazard to the environment, if properly disposed.

12.1 Ecotoxicity	Not classified. No data available
12.1.2. Chronic aquatic toxicity: freshwater	Not classified. No data available
12.1.3. Chronic aquatic toxicity: marine waters	Not classified. No data available
12.1.4. Sediment toxicity	Not classified. No data available
12.1.5. Soil toxicity	Not classified. No data available
12.1.6. Toxicity to micro-organisms in STP	Not classified. No data available

12.2 Persistence and degradability	Non biodegradable, non compostable
12.3 Bioaccumulative potential	Not classified. No data available
12.4 Mobility in soil	Not classified. No data available
12.5 Other adverse effects	Not classified. No data available
12.6 Additional information	The product is not biodegradable. Is can by recycled using siutable technologies. Is does not contain more than 100 ppm compounds of lead, cadmium and chromium. It does not contain asbestos, CFC, HCFC, halons. This product if disposed incorrectly, can have negative effects on animal, aquatic, plant life.

Section 13. DISPOSAL CONSIDERATIONS

always dispose of in accordance to local regulation. the material can be disposed of in the following ways:
landfill
Incineration (thermal recovery)
Recycling (Reprocessing)
Always despose product in conformace with environmental and public health regulations.

Section 14. TRANSPORT INFORMATION

14.1. UN number	Not restricted
14.2. UN proper shipping name	Not restricted
14.3. Transport hazard class (as)	Not restricted
14.4. Packing group	Not restricted
14.5. Environmental hazards	Not restricted

Section 15. REGULATORY INFORMATION

This product suitable to come into contact with foodstuffs.

This product is in conformity with:

Directive 1907/2006 EC. All materials do not contain more than 0,1 weight percent of any of the Substances of Very High Concern.

16. OTHER INFORMATION

Lietpak has prepared this document to provide reliable environmental, health and safety guidance on safe use of our products. The information and recommendations reflect the up-to-date information and to the best of our knowledge is believed to be accurate.