



an EnPro Industries company

## Safety Data Sheet

According to EC-Regulations 1907/2006 (REACH) & 1272/2008 (CLP)

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

#### Product identifier

Trade name                      Trade Secret – Evolution Coating B

EINECS No.                      Not applicable

REACH No.                      Not applicable

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

Identified use(s): The materials are generally used for compression molding/coating

Uses advised against: This material is not for human implantation.

#### Details of the supplier of the safety data sheet

Company Identification                      GPT Industries

Telephone                                      303-988-1242

Fax:    303-988-1922

E-Mail (competent person)                      Kelly.schulp@gptindustries.com

Emergency telephone number                      217-653-1426

### Section 2: Hazards Identification

#### Classification of the substance or mixture

Preparation is not classified as hazardous in the sense of directive 1999/45/EC and 2006/121/EC.

**Regulation (EC) No. 1272/2008 (CLP)** Not classified as dangerous for supply/use.

**Directive 67/548/EEC & Directive 1999/45/EC** Not classified as dangerous for supply/use.

Label elements                                      None

Other hazards                                      None

#### Additional Information



### Section 3: COMPOSTION /INFORMATION ON INGREDIENTS SUBSTANCES

Evolution Coating B

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	EC No.	REACH Registration No.	Hazard statement(s)
None.	-	-	-	-

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	EC No.	REACH Registration No.	EC Classification and Risk Phrases
None.	-	-	-	-

#### Additional Information

For full text of H/P phrases see section 16.

#### Section 4: FIRST AID MEASURES



##### Description of first aid measures

Inhalation - Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact - After contact with skin, wash immediately with plenty of soap and water. In the event of contact with molten product: Cool affected area quickly with water. Do not attempt to remove hardened product. Obtain medical attention.

Eye Contact - Flush eyes with water for at least 15 minutes while holding eyelids open.

Ingestion - Call a physician (or poison control centre immediately). Do not induce vomiting wash out mouth with water. Call a physician (or poison control centre immediately).

**Most important symptoms and effects, both acute and delayed** - Unlikely to be required but if necessary treat symptomatically.

**Indication of any immediate medical attention and special treatment needed**- Unlikely to be required but if necessary treat symptomatically.

#### SECTION 5: FIRE-FIGHTING MEASURES

##### Extinguishing media

Suitable Extinguishing Media - Extinguish with waterspray, foam or dry chemical.

Unsuitable Extinguishing Media - None

**Special hazards arising from the substance or mixture** - In case of fire the following can develop: Oxides of carbon.

**Advice for fire-fighters** - A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Dust is ignitable but will not sustain combustion. It will not train fire, e.g. along beams etc.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** - Avoid inhalation and contact with eyes or skin. Ensure sufficient supply of air. Avoid build-up of dust. Remove possible cause of ignition - do not smoke. Take precautionary measures against static discharge.

**Environmental precautions** - Avoid release to the environment. Prevent surface and ground water infiltration, as well as ground penetration.

**Methods and material for containment and cleaning up** - Sweep up carefully with non-sparking tools. Transfer to a lidded container for disposal or recovery.

**Reference to other sections**

**Additional Information** – None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** - General hygiene measures for the handling of chemicals are applicable. Eating, drinking, smoking, as well as food storage, is prohibited in work room. Avoid build-up of dust. Local Exhaust Ventilation at the workplace or on the processing machines required. Note: Danger of explosive dust

Machine Cleaning (purging): Purging with other polymers (e.g Polyethylene) at high temperatures can be hazardous. Auto ignition may also occur. Local exhaust ventilation is required. The relevant Safety Data Sheet for the purge material to be used should be consulted. Additional information can be obtained from the GPT Sitehawk website

**Conditions for safe storage, including any incompatibilities**

Storage Temperature - Store at room temperature.

Storage Life - > 10 Year(s).

Incompatible materials – None known

**Specific end use(s)** - The materials are generally used for compression molding and coating operations.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational exposure limits** – None

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note:
Dust. (general dust limit value)	-	-	10			Inhalable Dust
			4			Respirable Dust.

**Biological limit value** - None

**PNECs and DNELs** – Not available

**Exposure controls**

**Appropriate engineering controls** - Local Exhaust Ventilation at the workplace or on the processing machines required.

**Personal protection equipment Eye/face protection** - Eye protection with side protection (EN 166)



**Skin protection (Hand protection/ Other)** - Impervious Gloves. Plastic or synthetic rubber gloves

**Respiratory protection** - No special requirements.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance - Solid

Color – White (powder) Grey/Brown (granulate)

Odor - Odorless

Odor threshold (ppm) - None

pH (Value) - Not applicable

Melting point (°C) / Freezing point (°C) – 343C

Boiling point/boiling range (°C): – Not known

Flash point (°C) – Not known

Evaporation rate - – Not known

Flammability (solid, gas) - Solid , Non-flammable

Explosive limit ranges - Not explosive. See Section:9.2

Vapour pressure (Pascal) – 39.6(@107C)

Vapour density (Air=1) – Not known

Bulk Density (g/ml) – approx. 1.3

Solubility (Water) - Insoluble

Solubility (Other) - Insoluble

Partition coefficient (n-Octanol/water) – Not known

Auto ignition point (°C) – 595C

Decomposition temperature (°C) - >450C

Viscosity (mPa. s) – Not known

Explosive properties - Not explosive, May form explosible dust clouds in air.

Oxidizing properties - Not oxidizing

### Other Information

### Danger of dust explosion

Grade(s):	Pmax	Kst	St Class	Minimum Ignition Energy (mJ)
90UF10	8.1 bar g	173 bar•m/s	1	6 – 8 mJ
150UF10	7.3 bar g	171 bar•m/s	1	8 – 10 mJ
150XF	7.3 bar g	136 bar•m/s	1	10 – 15mJ
150PF	7.5 bar g	126 bar•m/s	1	400 – 500mJ
450PF	6.9 bar g	124 bar•m/s	1	>500mJ
600PF	7.8 bar g	151 bar•m/s	1	>500mJ

## **SECTION 10: STABILITY AND REACTIVITY**

**Reactivity** - Stable under normal conditions

**Chemical stability** - Stable under normal conditions

**Possibility of hazardous reactions** - Stable under normal conditions

**Conditions to avoid** - Stable under normal conditions. Electrostatic charge. Open flame, ignition sources. Decomposes at temperatures above C.

**Incompatible materials** - Concentrated Sulphuric acid

**Hazardous Decomposition Product(s)** – Oxides of carbon

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Substances**

**Acute toxicity**

Ingestion - Predicted to be low toxicity under normal conditions of handling and use.

Inhalation - Mechanical irritation of the respiratory tract.

Skin Contact - Repeated and/or prolonged skin contact may cause irritation.

In the event of contact with molten product: Thermal Burns (molten polymer will adhere to skin and cause severe burns).

Eye Contact - No data. Dust may have irritant effect on eyes. Permanent damage is unlikely

**Hazard label(s)** - Not known

**Serious eye damage/irritation** - Not known

**respiratory or skin sensitization Mutagenicity** - Not known

**Carcinogenicity** - Not known

**Reproductive toxicity** - Not known

**STOT - single exposure** - Not known

**STOT - repeated exposure Aspiration hazard** - Not known

**Mixtures** – Not applicable

**Other information** – None

## **SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity** - Low toxicity to aquatic organisms

**Persistence and degradability** -Not readily biodegradable

**Bioaccumulative potential** - Not classified as PBT or vPvB

**Mobility in soil** - The product has low mobility in soil.The product has low mobility in sediment

**Results of PBT and vPvB assessment** - Not classified as PBT or vPvB

**Other adverse effects** - None anticipated

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods** - Disposal should be in accordance with local, state or federal regs

**Additional Information** – None

## **SECTION 14: TRANSPORT INFORMATION**

**Land transport (ADR/RID)** - Not classified as dangerous for transport

UN number - Not applicable

Proper Shipping Name - Not applicable

**Sea transport (IMDG)** - Not classified as dangerous for transport

UN number - Not applicable

Proper Shipping Name - Not applicable

**Air transport (ICAO/IATA)** - Not classified as dangerous for transport

UN number - Not applicable

Proper Shipping Name - Not applicable

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** - Not applicable

## **SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture** - Not classified as dangerous for supply/use

### **EU regulations**

Authorizations and/or restrictions on use - None

United States (TSCA) - Listed

**National regulations** - None

**Chemical Safety Assessment** - Not relevant for this material

## **SECTION 16: OTHER INFORMATION**

### **LEGEND**

LTEL - Long Term Exposure Limit

STEL - Short Term Exposure Limit

STOT - Specific Target Organ Toxicity

DNEL - Derived No Effect Level

PNEL - Predicted No Effect Concentration

### **References:**

Workplace Exposure Limit (UK HSE EH40)

**Risk Phrases and Safety Phrases** - None

Hazard statement(s) and Precautionary statement(s) - None

**Training advice:** [www.Enpro.com](http://www.Enpro.com)

### **Additional Information**

These details refer to the product as it is delivered.

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge.