

## HN035NB

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

#### 1. Identification of the substance/mixture and of the company undertaking

##### 1.1. Product identifier

Product form	: Substances
Substance type	: Polymer
Product Name	: InnoEco HN035NB
Trade name	: Post Consumer Recycled High Density Polyethylene
CAS no	: 9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6
Type of product	: plastics

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

###### 1.2.1. Relevant identified uses

Industrial/Professional use spec	: Manufacture of plastics products, including compounding and conversion
Use of the substance/mixture	: Use in open, semi-open or closed processes

###### 1.2.2. Uses advised against

No relevant data available

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

ENVICCO Limited  
555/1 Energy Complex, Building A, 15<sup>th</sup> Floor,  
Vibhavadi Rangsit Road,  
Chatuchak, Chatuchak, Bangkok 10900

##### 1.4. Emergency telephone number

Emergency number : 02-265-8138

Country	Official advisory body	Address	Emergency number
Thailand	ENVICCO Limited	555/1 Energy Complex, Building A, 15 <sup>th</sup> Floor, Vibhavadi Rangsit Road, Chatuchak, Chatuchak, Bangkok 10900	02-265-8138

#### 2. Hazards identification

##### 2.1. Classification of the substance or mixture

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

Not classified

##### 2.2. Label elements

No relevant data available

###### 2.2.1. Labelling according to Regulation (EC) No 1272/2008 (CLP)

InnoEco HN035NB is not on the REACH Annex XIV List

##### 2.3. Other hazards

No relevant data available

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### 3. Composition/information on ingredients

#### 3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008 (CLP)
Polyethylene (PE) (PE - mix of and/or PE/PE-(L)LD/PE-HD)	(CAS no) 9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6	100	Not classified

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

### 4. First Aid and Measures

#### 4.1. Description of first aid measures

First-aid measures general	: Cool skin rapidly with cold water after contact with hot product.
First-aid measures after inhalation	: Not applicable.
First-aid measures after skin contact	: Cool skin rapidly with cold water after contact with hot product.
First-aid measures after eye contact	: Rinse immediately with plenty of water.
First-aid measures after ingestion	: Not applicable.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Dust from this product may cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Risk of thermal burns on contact with molten product.
Symptoms/effects after eye contact	: Can occur: eye irritation.
Symptoms/effects after ingestion	: Not applicable.
Symptoms/effects upon intravenous administration	: Not applicable.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures are required.

### 5. Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.
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#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not classified as flammable
Explosion hazard	: Dust may form explosive mixture in air.
Reactivity	: Not applicable.
General measures	: Avoid dust formation.

#### 5.3. Advice for firefighters

Firefighting instructions	: Evacuate the personnel away from the fumes.
Protection during firefighting	: Self contained breathing apparatus.
Other information (firefighting)	: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

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#### 6. Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### 6.1.1. For non-emergency personnel

Protective equipment : Respiratory protection.  
Emergency procedures : Avoid inhalation of vapours.

###### 6.1.2. For emergency responders

Protective equipment : Ventilation, local exhaust, or breathing protection.

##### 6.2. Environmental precautions

Avoid dust formation. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

##### 6.3. Methods and material for containment and cleaning up

For containment : Sweep or shovel spills into appropriate container for disposal.  
Other information (accidental release) : Collect spilled polymer: It could cause falls (Danger of slipping).

##### 6.4. Reference to other sections

No relevant data available

#### 7. Handling and storage

##### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation.  
Handling temperature : room temperature

##### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Minimize generation of dust.  
Storage conditions : Store in dry, cool, well-ventilated area.  
Prohibitions on mixed storage : Not applicable.  
Storage area : No special storage required.  
Containers requirements: : Keep container closed when not in use.  
Containers material selection : Not applicable.

##### 7.3. Specific end use(s)

No relevant data available

#### 8. Exposure controls/personal protection

##### 8.1. Exposure Limits

Polyethylene (PE) (PE - mix of and/or PE/PE-(L)LD/PE-HD) (9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6)		
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust limit value 3 mg/m <sup>3</sup> respirable dust limit value
Spain	VLA-ED (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> Dust limit values
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust limit value
Switzerland	VME (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> Dust limit values
Italy - Portugal	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust limit value 4 mg/m <sup>3</sup> respirable dust limit value

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#### 8.2. Exposure controls

- Respiratory Protection: : Product processing, heat sealing of film or operations involving the use of wires or blades heated above 300°C may produce dust, vapor or fumes. To minimize risk of overexposure to dust, vapor or fumes it is recommended that a local exhaust system is placed above the equipment, and that the working area is properly ventilated. If ventilation is inadequate, use certified respirator that will protect against dust/mist.
- Skin and body protection: : Hot material: Wear heat-resistant protective gloves, clothing and face shield able to withstand the temperature of the molten product.  
Cold material: None required; however, use of gloves is good industrial practice.
- Hand protection: : Hot material: Wear heat-resistant protective gloves able to withstand the temperature of the molten product.  
Cold material: None required; however, use of gloves is good industrial practice.
- Eyes Protection: : Safety glasses with side shields. Use dust goggles if high dust concentration is generated.

#### 9. Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Natural colour plastic pellets.
- Colour : depends on the pigment.
- Odour : Paraffin like
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : 105 - 130 °C
- Freezing point : No data available
- Boiling point : No data available
- Flashpoint : > 350 °C
- Auto-ignition temperature : > 380 °C
- Decomposition temperature : Product is stable under normal conditions.
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Relative density : No data available
- Absolute density : < 1 g/cm<sup>3</sup>
- Solubility : Water: Insoluble
- Log Pow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Explosive limits : No data available

##### 9.2. Other information

No relevant data available

#### 10. Stability and reactivity

##### 10.1. Reactivity

Not applicable.

##### 10.2. Chemical stability

Product is stable.

##### 10.3. Possibility of hazardous reactions

No relevant data available

##### 10.4. Conditions to avoid

Overheating.

##### 10.5. Incompatible materials

Not applicable.

##### 10.6. Hazardous decomposition products

On burning: release of carbon monoxide - carbon dioxide.

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## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute Toxicity	
LD50 oral rat	No determined.
LD50 dermal rat	No determined.
LD50 dermal rabbit	No determined.
LC50 inhalation rat (mg/l/4h)	No determined.
LC50 inhalation rat (ppm/4h)	No determined.

Primary Irritant Effect	
Skin	No irritant effect.
Eyes	No irritant effect.
Sensitization	No sensitizing effect known.

### ADDITIONAL TOXICOLOGICAL INFORMATION

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12. Ecological information

### 12.1. Toxicity

Ecology - general	: Not dangerous.
Ecology - air	: Not dangerous.
Ecology - water	: Product is practically insoluble in water, in view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. The product is not readily biodegradable.

### 12.2. Persistence and degradability

**Polyethylene (PE) (PE - mix of and/or PE/PE-(L)LD/PE-HD) (9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6)**

Persistence and degradability	Material is inert and not expected to be biodegradable or toxic.
BOD	Not applicable
COD	Not applicable
ThOD	Not applicable
BOD (% ThOD)	Not applicable

### 12.3. Bioaccumulative potential

**Polyethylene (PE) (PE - mix of and/or PE/PE-(L)LD/PE-HD) (9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6)**

Log Kow	Not applicable
Bioaccumulative potential	not bioaccumulative.

### 12.4. Mobility in soil

**Polyethylene (PE) (PE - mix of and/or PE/PE-(L)LD/PE-HD) (9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6)**

Mobility in soil	None
Surface tension	Not applicable
Ecology - soil	Not dangerous.

### 12.5. Results of PBT and vPvB assessment

**Polyethylene (PE) (PE - mix of and/or PE/PE-(L)LD/PE-HD) (9002-88-4/25087-34-7/25213-02-9/25750-84-9/28516-43-0/25053-53-6)**

PBT assessment	Not determined
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#### 12.6. Other adverse effects

Environmental and other adverse effects : The product does not have any known adverse effects on the environment.  
Other information (adverse effects) : No adverse health effects were noted.

#### 13. Disposal considerations

##### 13.1. Waste treatment methods

Regional legislation (waste) : Comply with applicable regulations for solid waste disposal.  
Waste treatment methods : If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.  
Ecology - waste materials : If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.  
Refer to manufacturer/supplier for information on recovery/recycling.

#### 14. Transport information

No transport regulation applicable

#### 15. Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

###### 15.1.1. EU-Regulations

InnoEco HN035NB is not on the REACH Candidate List  
InnoEco HN035NB is not on the REACH Annex XIV List

###### 15.1.2. National regulations

LGK Storage class: Not applicable  
VbF class: Not applicable

#### 15.2. Chemical safety assessment

no CSR necessary

#### 16. Other information

Data sources : (Published data).

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

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