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## Material Safety Data Sheet Northene HD - Natural High Density Polyethylene

Valid from: 20.04. 2012

### 1. Identification of the substance and of the company.

Substance: natural or coloured high density polyethylene

Company: North Sea Plastics Ltd  
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Kirkintilloch  
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Phone.: +44 141 776 7900  
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[www.northseaplastics.com](http://www.northseaplastics.com)

### 2. Product Details

Product/Article: Technical semi-finished product or machined part  
Abbreviated terms: PP-HD/PE 300  
Material characterisation: Semi crystalline plastic  
Main components: Polyethylene, Stabiliser, Additives  
Components subject to labelling: None  
Classification according to REACh: Article  
Notes: ---

### 3. Product characteristics

Form/State: Firm  
Colour: Natural/Coloured to customer specification  
Odour: Nearly odourless  
Density: 0.93-0.98 g/cm<sup>3</sup> (ISO 1183)  
Melting range: 100°C – 140°C (DSC)  
Glass transition temperature: ---  
Thermal decomposition: > 390°C  
Flash point: ± 340°C

Ignition temperature: > 350°C

Notes: ---

#### 4. Danger warnings

Special risks for mankind and the environment: None

Notes: ---

#### 5. Handling and Storage

Handling: Product can be worked with commercial machines and tools.

Before machining the product should have been stored at room temperature and/or be stored for a minimum of 24 hours under normal climatic conditions.

Storage: Horizontally, dry, protected against frost and climatic influences.

Safety measures: ---

Notes: ---

#### 6. Transport

Transport: Non dangerous goods according to the transport regulations.

Secure against slipping.

Notes: ---

#### 7. Fire fighting measures

Suitable extinguishing agents: Water, foam, carbon dioxide (CO<sub>2</sub>), dry powder extinguishing agents.

Potential combustible products: CO, CO<sub>2</sub>

Necessary protection equipment: Complete protection equipment for fire-brigade  
Use self-contained air respirators during strong smoke and steam development.

Notes: Molten product has to be cooled with water. Fire residues must be collected and disposed of according to local instructions.

#### 8. Disposal references

Recyclability: Check possibility of recycling

EC Waste catalogue: The product is classified in accordance with the European-Waste Catalogue (EWC) as "Not Dangerous".

EC Waste code no.: 120105 Plastics shavings and turnings  
200139 Plastics of separately collected fractions

Waste removal: Can be recycled and/or has to be conveyed to a suitable dump or a suitable combustion plant.

Notes: ---

#### 9. References to marking, guidelines and regulations

Marking in accordance with EEC guidelines: No labelling required.

Other guidelines: ---

Notes: ---

## **10. Information about REACH**

In accordance with the EU directive 1907/2006/EC (REACH), article 3, no. 3, our products are clearly defined as articles not subject to registration.

The European directive regarding chemicals no. 1907/2006 (REACH) enforced on 1<sup>st</sup> June 2007 stipulates Material Safety Data Sheets (MSDS) only for dangerous substances and preparations. Our products do not fall under this scope of REACH.

## **11. Other information**

This information is based on our present state of knowledge and represent no affirmation of characteristics. Existing laws and regulations are to be observed by the user of our product within their own responsibility.