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## Material Safety Data Sheet Northerne Natural Low Density Polyethylene

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

Substance: Low density polyethylene

Company: North Sea Plastics Ltd  
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Kirkintilloch  
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### 2. Composition / Information on ingredients

Chemical characterization: Polyethylene, eventually Olefins - Copolymerisate,  
Stabiliser, Additives

Dangerous substances: ---

### 3. Hazards identification

No particular hazards known

### 4. First aid measures

General hints: ---

In case of inhalation: ---

In case of contact with skin: After contact with molten product cool quickly with cold water.

Do not pull solidified product from skin.

Take for medical treatment

### 5. Fire – fighting measures

Suitable extinguishing substances: Water, foam, dry powder, carbon dioxide

Unsuitable extinguishing substances: ---

In case of fire, the following hazardous products can be produced:

CO, CO<sub>2</sub>

Special protective equipment: ---

## 6. Accidental release measures

None

## 7. Handling and storage

Product includes combustible polymer. Take precautionary measures against fire and explosion.

## 8. Exposure controls / personal protection

Personal protective equipment: ---

General protection/ hygiene measures:

Avoid contact of molten material with skin

CAS-no.: 9002-88-4

## 9. Physical and chemical properties

Appearance

Form: firm

Colour: natural or coloured

Odour: odourless

Change in physical state

Crystalline melting point: approx. 105 °C (DSC)

Ignition temperature: > 360°C

Density (23°C): 0,915 - 0,935 g/cm<sup>3</sup> (ISO 1183)

Solubility: Insoluble in water

## 10. Stability and reactivity

Thermal decomposition: > 390°C

Dangerous reactions: No dangerous reaction known

Dangerous decomposition products: ---

## 11. Toxicological information

According to experience, the product is considered to be harmless to health if handled in the correct manner

## 12. Ecological information

Product is insoluble in water

Harmful effects to fish and bacteria: not harmful

## 13. Disposal instructions

Product:

In accordance with the necessary technical regulations may be dumped or incinerated with household waste, after consultation with site operator and with the responsible authority

Waste code no. for unused product: 120105

Name of waste: polyolefin wastes

## 14. Transportation data

Non dangerous goods according to the transport regulations

## 15. Regulations

Labelling in accordance with

GefStoffV / EC:

hazard warning labelling not compulsory

National Hazard Class (Germany): 0 (self classification)

## 16. Other information

This information is based on our present state of knowledge.  
It should not therefore be construed as guaranteeing specific properties of the  
product described or their suitability for a particular application.

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