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## Material Safety Data Sheet Natural and Optically Brightened Northvane™

Valid from: 11.05.2009

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

Substance: Ethylene and vinyl acetate copolymer

Company: North Sea Plastics Ltd  
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### 2. Hazards identification

Main hazards: No significant hazard

Other hazards: At high temperature: thermal decomposition giving toxic and corrosive products.

### 3. First aid measures

General hints: ---

In case of inhalation: ---

Exposure may cause coughing or wheezing.  
Inhalation of vapours due to thermal decomposition: remove casualty from exposure ensuring one's own safety whilst doing so.  
Oxygen or artificial respiration if needed. Seek medical attention if you feel unwell.

In case of contact with skin:

At high temperature: can cause serious burns.  
Products of thermal decomposition can be irritating to skin.

## First aid measures Cont:-

Cool skin rapidly with cold water after contact with molten polymer. Remove product with vegetable oil or paraffin. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns.

In case of contact with eyes:

At high temperature: can cause serious burns. Products of thermal decomposition can be irritating to eyes.

Cool eyes rapidly with cold water after contact with molten polymer. Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Call an ophthalmologist immediately.

In case of ingestion:

No symptoms. Wash out mouth with water. Seek medical attention if you feel unwell.

## 4. Fire – fighting measures

Suitable extinguishing substances: Water spray. Carbon dioxide. Alcohol or polymer foam.

Exposure hazards:

Temperature above 260°C. Thermal decomposition giving toxic and corrosive products: Carbon monoxide and Acetic acid.

Protection of fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 5. Accidental release measures

Personal precautions:

Do not contact with skin and eyes (product handled when hot.)

Environmental precautions:

Do not discharge into drains or rivers.

Clean-up procedures:

Transfer to a suitable container.

## 6. Handling and storage

Handling requirements:

Ensure there is sufficient ventilation of the area.

Avoid the formation or spread of dust in the air. Take precautionary measures against static discharges.

Storage conditions:

Protect from heat. Storage temperatures should be kept below 30°C.

## 7. Exposure controls / personal protection

Ingredients:	VINYL ACETATE.
TWA (8 hr exposure limit):	10ppm
STEL (15 min exposure limit):	20ppm (OES)
Engineering measures:	Ensure there is sufficient ventilation of the area.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Safety goggles.
Skin protection:	Protective clothing.

## 8. Physical and chemical properties

### Appearance

Form:	Soft Pellets.
Colour:	White/Natural.
Odour:	Characteristic odour.

### Change in physical state

Melting point/range °C:	45-85.
Flash point °C:	350.
Relative density:	950 kg/m <sup>3</sup>
Solubility in water:	Insoluble.

## 9. Stability and reactivity

Stability:	Stable at room temperature.
Conditions to avoid:	Heat. Temperatures in excess of 30°C.
Thermal decomposition:	>260°C
Dangerous decomposition products:	Toxic and corrosive products: Carbon monoxide and Acetic acid.

## 10. Toxicological information

Ingredients:	VINYL ACETATE. ORL MUS LD50 1600 mg/kg. ORL MUS LD50 2900 mg/kg.
Chronic toxicity:	No particular problems for man.

## 11. Ecological information

Mobility:	Insoluble in water.
Persistence and degradability:	Not biodegradable.

## 12. Disposal instructions

Disposal operations:	Incineration at an approved waste disposal site.
Disposal of packaging:	Dispose of as normal industrial waste. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 13. Transportation data

Non dangerous goods according to the transport regulations.

## 14. Regulations

Hazard symbols: No significant hazard.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 15. Other information

Complies with Directives (1999/45/EC), (91/155/EEC), (67/548/EEC) as amended and Chemicals (hazard information and packaging for supply) 2002 (CHIP3) Regulation, EH40.

### Legal disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.