

This Data sheet has been prepared to meet the requirements set out in Council Directive 98/24/EC(1) of the European Community.

Low Density Polyethylene  
Data Safety Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Low Density Polyethylene (LDPE) sheets

Use of the substance/preparation

Used in the Manufacture of items for the Leisure, Nuclear and Medical Industries.

Company/undertaking identification

VITRATHENE LTD

Rufford Road

Southport

PR9 8LA

Tel 01704 509888

Fax 01704 509777

Email sales@pfigroup.co.uk

Emergency telephone

01704 509888

2. COMPOSITION/INFORMATION ON INGREDIENTS

Polyethylene

3. HAZARDS IDENTIFICATION

This product is considered to be harmless to health and the environment if handled correctly.

4. FIRST AID MEASURES

Inhalation

Ambient temperatures

No release of toxic fumes at ambient temperatures

Working Temperature

If inhaled provide fresh air, warmth, rest and medical advice if necessary.

Skin contact

Hands should be washed with soap and water after handling the material

In case of contact with molten material with skin, cool rapidly with cold water; if necessary seek medical advice.

Eye contact

Goggles should be worn during machining operations however, should particles enter the eyes they can be washed out with plenty of water. Get medical attention if there is any discomfort.

Ingestion

Ingestion should be avoided although the material is inert and can be regarded as harmless.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Foam, CO2, water spray, sand

### Specific hazards

Low Density Polyethylene

is a combustible material and gives off fumes

### Special protective clothing

Fire fighters to wear self contained gas masks

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

No special measures required

### Environmental precautions

Not harmful to the environment

### Methods for cleaning up

No special measures required

## 7. HANDLING AND STORAGE

### Handling

Low Density Polyethylene is safe to handle

### Storage

No special storage requirements are required but sheets should be stored flat and extremes of temperature avoided.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

There are no specific limits set for this material

### Exposure controls

Adequate ventilating of workshops is essential to minimise the concentration of dust and consequent risk of explosion

### Occupational exposure controls

There are no specific exposure controls

### Respiratory protection

Respiratory protection is not required unless working with particles in a confined space.

### Hand protection

Hands should be washed with soap and water after work.

### Eye protection

Protective safety glasses should be worn during any machining operations

### Skin protection

No special precautions but exposed skin should be washed with soap and water after work.

### Environmental exposure controls

There are no specific environmental exposure controls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

Appearance        Solid  
Colour              Various  
Odour                None  
Solubility in water   Insoluble

### Typical properties

Density            0.92 g/cc +/- 0.02 g/cc  
Hydrogen Density 0.12 gm/cc  $7.2 \times 10^{22}$  gm atom/cc  
Melting point range 115 - 120 °C

### Important health, safety and environmental information

No specific information

## 10. STABILITY AND REACTIVITY

### Stability

Normally stable

### Conditions to avoid

There are no specific conditions to avoid

## 11. TOXICOLOGICAL INFORMATION

LDPE is chemically unreactive and can be generally regarded as being biologically inert.

## 12. ECOLOGICAL INFORMATION

Not regarded as dangerous to the environment

## 13. DISPOSAL CONSIDERATIONS

Consideration should be given to recycling the material but is not harmful to the environment if sent to landfill.

## 14. TRANSPORT INFORMATION

There are no specific instructions needed for transportation

## 15. REGULATORY INFORMATION

No specific information

## 16. OTHER INFORMATION

**Disclaimer**     The information provided on this safety data sheet is correct, to the best of our knowledge at the date of its publication. It provides no warranties, whether expressed or implied, and neither VITRATHENE LTD, nor any of its agents accept responsibility for the accuracy or completeness of the data contained herein, and shall not be held liable for any loss, injury or damage whatsoever resulting from using, handling or contact.