

# SAFETY DATA SHEET



## MATERIAL SAFETY DATA SHEET FOR PLYFORM HIGH IMPACT POLYSTRENE

### SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Material & Description:	Proprietary mixture of polymers and allied chemicals.
Trade Name:	Plyform M, Plyform G, Plyform Standard Clear, Plyform Standard Clear Plus, Plyform Eco.
Chemical Name & Synonyms:	None.
Chemical Family:	Polystrene.
Manufacturer:	Plysolene Limited
Address:	21 Star Industrial Estate, Partridge Green, West Sussex, RH13 8RA, United Kingdom.
Emergency Telephone Number:	+ 44 (0)1403 713555 Fax: + 44 (0)1403 713666

### SECTION 2: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

Inhalation:	If heated to more than 200°C, the product may form vapours or fumes which may cause irritation of the respiratory tract and cause coughing and sensation of shortness of breath.
Skin Contact:	In contact with hot material, may cause thermal burns.
Adverse Environmental Effects:	Because of its structure, the product should not be dangerous for aquatic life. Non biodegradable.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances classified under REACH:	Does not contain Substances of Very High Concern (SVHC). All ingredients REACH registered.
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### SECTION 4: FIRST AID MEASURES

Skin Contact:	Wash hands after use.
Eye Contact:	Treat as foreign body, irrigate with clean water.

### SECTION 5: FIRE AND EXPLOSION HAZARD DATA.

Flash Point ( °C ):	N/A.
Flammable Limits (% by volume):	N/A.
Auto ignition Temperature:	Approximately 490° C.
Suitable Extinguishing Media:	Dry powder, carbon dioxide, foam.
Extinguishing media that <u>must not</u> be used:	N/A.
Decomposition / Combustion Products:	Combustion products will include toxic gases such as carbon monoxide and hydrocarbons.
Special Fire Fighting Procedures:	Wear breathing apparatus in confined space.
Special Protective Fire Fighting equipment:	N/A.

### SECTION 6: ACCIDENTAL RELEASE MEASURES / SPILLS.

Personal Precautions:	None in "as received" condition.
Environmental Precautions:	None.
Cleaning up method:	Restack on pallet or in bin.

## **SECTION 7: HANDLING AND STORAGE.**

Precautions for Safe Handling:  
Conditions for safe Storage:

Avoid contact with naked flame or other sources of ignition.  
Store under cool, dry conditions, protect from extremes of temperature. Ensure identification is visible at all times.  
Protect from direct sunlight.

## **SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION.**

Hand Protection:  
Eye Protection:  
Skin Protection:  
Industrial Hygiene:

Gloves.  
Where contact is likely wear safety glasses.  
Gloves.  
Avoid smoking and the consumption of food and drink in the workplace. Good personal hygiene should be encouraged.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

Appearance:  
Odour:  
pH:  
Oxidising properties:  
Water solubility (% by weight):  
Conductivity:  
Evaporation rate:

Solid at room temperature.  
None.  
N/A.  
N/A.  
Insoluble.  
Insulating to conducting depending on type.  
N/A.

## **SECTION 10: STABILITY AND REACTIVITY.**

Stability / Conditions to avoid:  
Incompatibility / Materials to avoid:  
Hazardous decomposition Products:  
Hazardous Polymerisation:

Stable. Keep away from excessive heat, do not expose to naked flame. Avoid strong oxidising agents.  
N/A.  
Depending on type, may burn with emission of dense black smoke, producing toxic and possibly flammable gases.  
None.

## **SECTION 11: TOXICOLOGICAL INFORMATION.**

Hazardous Ingredients:  
Immediate Health Effects:  
Delayed Health Effects:  
Acute Effects (short term):

Not significant.  
None.  
None.  
Skin Contact; No hazard in normal industrial use.  
Eye Contact; Particulate may scratch eye surfaces/cause mechanical irritation.  
Ingestion; No hazard in normal industrial use.  
N/A.

Chronic Effects (long term):

## **SECTION 12: ECOLOGICAL INFORMATION.**

Persistence and Degradability:  
Bio accumulative Potential:  
Aquatic toxicity:

Compound not biodegradable.  
Not determined.  
The product is expected to undergo degradation in the presence of sunlight potential bioaccumulation of the product in environment is very low because of its low solubility; the product should not be dangerous to aquatic life.  
N/A.

Marine Pollutant (IMDG guide):

## **SECTION 13: DISPOSAL CONSIDERATIONS.**

Disposal of waste materials:  
Disposal of waste containers:  
Disposal Restrictions:  
Statutory Notification required:

At approved tips as Landfill or incinerate.  
N/A.  
In accordance with local authority regulations.  
None.

**SECTION 14: TRANSPORT / LABEL INFORMATION.**

Designation:	Polymer compound.
UN Number:	None.
UN Packaging group:	N/A.
IMDG classification:	N/A.
Special precautions re carriage:	Not dangerous cargo. Keep separate from food.
Symbol:	None.

**SECTION 15: REGULATORY INFORMATION.**

EEC Number:	N/A.
Full address:	Plysolene Limited, 21 Star Industrial Estate, Partridge Green, West Sussex, RH13 8RA, United Kingdom. + 44 (0) 1403 713555
Full telephone number:	
Relevant EEC regulations:	N/A.
Relevant UK regulations:	N/A.

**SECTION 16: ANY OTHER HEALTH AND SAFETY INFORMATION.**

Training:	All operatives using this material must receive proper training with regard to the health and safety aspects relating to it.
Recommended uses and restrictions:	Use only in conjunction with appropriate industrial practice.
Sources of information used to compile MSDS:	Various, further information available by special request.

**SECTION 17: HISTORY.**

Issue Number:	1.
Date:	23 <sup>rd</sup> November 2012.
Prepared by:	H. Royle

**NOTE:** The information contained in this Material Safety Data Sheet does not constitute the user's own assessment of workplace risk as required by other Health and Safety legislation. The data given here is based on current knowledge and experience and may be updated as new information becomes available. The purpose of this Material Safety Data Sheet is to describe the product in terms of its safety requirements. The data does not signify any warranty with regard to its properties. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use.