

# **MATERIAL SAFETY DATA SHEET**

Date of Issue: 3rd. February 1995  
Data Sheet Ref:

## **1. Product Identification**

**MADRILEN - Ultra High (1000) and High (500) Density Polyethylene**

## **2. Hazardous Ingredients**

There are no hazardous ingredients as defined in OSHA 1910.1200. It is inert and non-toxic in normal handling conditions. Polyethylene contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-know Act of 1996 and of 40 CFR 372. (Annex No.1.1 of the official gazette for dangerous matters or by the manual of the E.C. for the classification and identification by marking.)

## **3. Physical Data**

Physical State	Solid- supplied in Sheet form, Profiles & parts
Boiling Point	Not applicable
Melting Point	135 Degrees C
Vapour Pressure @ 20 Deg.C	N/A
Vapour Density	N/A
Percentage Volatiles	Less than 0.5%
Appearance	Many colours, Natural, white, black, blue etc.
Solubility in Water	Insoluble
Specific Gravity	0.93 - 0.95
Evaporation Rate	N/A
pH	N/A
Odour	None

## **4. Fire and Explosion Hazard Data**

Auto Ignition Temperature	340 Deg C. Attributed to the Polymer
Component	
Extinguishing Media	Water, Carbon Dioxide, Dry Foams, Foams.
Special Fire Fighting Procedures	Standard Procedure for Class A Fires, (Use self-contained breathing apparatus)
Usual Fire & Explosion Hazards	Above 280 Deg.C. thermal decomposition gives flammable irritant
Hazardous products of Combustion	Not available

## **5. Health Hazard Data**

Threshold Limit Value	Not established
Emergency & First Aid Procedures	These Polymers can be considered as non irritant to skin and eyes and practically non harmful by ingestion. Products formed by thermal decomposition can be irritant to skin and mucous membranes. Dust and particles released from machining may cause mechanical irritation of eyes.

**6. REACTIVITY DATA**

Stability Conditions to Avoid	None
Incompatibility (Materials to Avoid)	Avoid contact with hot or concentrated acids.
Hazardous Polymerisation	Will not occur.

**7. SPILL OR LEAK PROCEDURES**

STEPS to be taken if material is released or spilled: If material is NOT contaminated, it can be wiped and used.

Waste Disposal Method:	Disposal must be done in accordance with relevant regulation. Sanitary landfill is recommended.
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**8. SPECIAL PROTECTION INFORMATION**

Appropriate Hygienic Practices before eating, drinking or smoking.	Avoid breathing dust. Wash thoroughly after handling and  Remove contaminated clothing and clean before reuse.
Personal Protective Equipment	When processing (e.g. Cutting, grinding), wear appropriate dust mask, impervious gloves, Safety Glasses and appropriate protective clothing.
Engineering Controls	Adequate ventilation and extraction equipment should be provided during processing.

**9. LABELLING (CPL REGULATIONS 1984)**

Not classified as dangerous for transport purposes.

**10. STORAGE**

Store in a dry place at a temperature between 5 deg.C. and 27 Deg.C. Store away from Heat and Foodstuffs.

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The information contained herein is furnished without warranty of any kind. Product users should make independent judgements of suitability of this information to ensure proper use and protect the Health & Safety of employees.

Before using any product, the label should be carefully read and current literature and information relating to the product consulted.