

Product Handling Information Document

Extruded multiwall sheet based on Polycarbonate

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COMPANY

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PRODUCT NAME

MULTICLEAR®

AREA OF USE

Extruded thermoplastic sheet to be used for industrial conversion to various components or used as such.

COMPOSITION/CLASSIFICATION OF SUBSTANCES

Polycarbonate:

CAS 103598-77-2

HAZARDS IDENTIFICATION

Extruded sheets are not hazardous products and the polymer is in general an inert material with low degradability in ground environment.

FIRST AID MEASURES

Inhalation

In case of irritation from inhalation of fumes, leave contaminated area to breath fresh air. If coughing, difficult breathing or any other symptoms develop, seek medical attention.

Skin

In case of skin contact with molten plastic, cool rapidly with water. Seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvents for removal. Flush skin thoroughly with water. Seek medical attention if rash or burns occur.

Eye

In case of dust particles in eye, rinse with water. Seek medical attention if irritation remains.

FIRE FIGHTING MEASURES

Extinguishing

Water, CO₂, Powder, Foam. Water is the preferred extinguishing medium due to the cooling capacity. Proper cooling is essential, otherwise material may re-ignite.

Protection

Fire men have to wear approved protective clothing and self-contained breathing apparatus.

Hazardous Combustion Products

Hazardous combustion products may include carbon monoxide, carbon dioxide and hydrocarbon fragments. Formation of traces of aliphatic and aromatic hydrocarbons, aldehydes, acids, phenol and phenol-derivatives may occur.

HANDLING AND STORAGE

Handling

Ensure adequate ventilation or exhaust ventilation in the working area. Avoid inhalation of dust.

Storage

Inert material under normal storing conditions. Should be stored indoor to be protected from heat and direct sunlight.



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EXPOSURE CONTROLS/PERSONAL PROTECTION

Strong heat as processing at too high temperatures can give fumes that irritate eyes or throat.

Fumes evolved by overheating may contain monomers, hydrogen carbons and their oxidation products, see table below for threshold levels of monomers.

Name	CAS-nr	Lower Treshold
Chlorobenzene	108-90-7	47 mg/m ³ ; 10 ppm
Phenol	108-95-2	4,0 mg/ m ³ ; 1,0 ppm
Fine dust	-	5,0 mg/m ³

Provide good ventilation. Adequate general ventilation of the work place is sufficient for most processes.

If dust is formed during processing, use respirator approved for protection from dust.

Work clothes, covering arms and legs, are recommended if working with heated material.

Use protective eye wear during cutting/machining of sheet products.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid (sheet form)
Colour:	Colourless or colour dependent on colouring
Odour:	slight
Boiling point:	Not applicable
Density:	approx. 1,2 g/cm ³ at 20°C
Evaporation rate:	Not applicable
Explosive limits:	Not applicable
Flash point:	> 450°C (combustible solid)
Self Ignition temperature:	> 450°C
Melting range:	150-160°C
pH:	Not applicable
Vapour density (air=1):	Not applicable
Vapour pressure (mmHg):	Negligible
% Volatiles:	Negligible
Water solubility:	Insoluble

RECYCLING AND RECOMMENDATIONS FOR DISPOSAL

Recycling

This product can be recycled. Please contact Arla Plast AB for information.

Waste Disposal

This product is not regarded as hazardous waste. Dispose in accordance with local regulations.

OTHER INFORMATION

This publication provides information and guidelines for safe handling and secondary fabrication of above PC products and is based on currently available experience and knowledge. The data does not signify any warranty with regards to product properties.

