

## SAFETY DATA SHEET

<b>Product:</b>	<b>ALTUGLAS CAST</b>	Page: 1/4
SDS No. : 01426	Version : 5	Date : 2003-04-09 Cancel and replace: 1999-05-07

### 01 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING (\*)

NAME OF THE PREPARATION (*) :	ALTUGLAS CAST (*)
RECOMMENDED USES :	Flat or shaped items, obtained by different processes such as machining, heat or cold-forming, assembling
SDS No :	01426
SUPPLIER :	ALTUGLAS INTERNATIONAL Ltd 6270 Bishop's Court, Birmingham Business Park B37 7YB BIRMINGHAM United Kingdom Tel : +44 08705 40 30 50 Fax : +44 0870 428 1800
Emergency telephone number :	0800 585 490

### 02 - COMPOSITION / INFORMATION ON INGREDIENTS (\*)

CHEMICAL NATURE OF THE PREPARATION (*) :	POLYMER OF METHYL METHACRYLATE (MMA) (*) CAS: 9011-14-7 EINECS: conforms (*)
GRADES (*) :	CN, CN black and white, CN Elit, CN Fluolux, (*) CN SRD, CN UVD, CN Dual Satin, CNF, (*) CS, CS-EF, CS Shadow, (*) Satinized, Metal and Pearl (*)
HAZARDOUS IMPURITIES :	METHYL METHACRYLATE : < 1 % by weight

### 03 - HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS :	-
PHYSICAL AND CHEMICAL HAZARDS :	Thermal decomposition giving flammable and irritating products Formation of toxic products through combustion
SPECIFIC HAZARDS / EC (*) :	NOT CLASSIFIED AS DANGEROUS (*)

### 04 - FIRST AID MEASURES

INHALATION :	Inhalation of vapours due to thermal decomposition : Move to fresh air Consult a doctor
SKIN CONTACT :	Cool rapidly with cold water in case of spattering of hot product Wash abundantly with water Treat the affected areas as thermal burns
EYE CONTACT :	Remove particles remaining under the eyelids Wash immediately, abundantly and thoroughly with water If irritation persists, consult an ophthalmologist
PROTECTION OF FIRST-AIDERS :	In case of insufficient ventilation, wear suitable respiratory equipment On contact with hot product : protective clothing

### 05 - FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA :	Dry powder Foam Water spray Carbon dioxide (CO2)
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**SPECIFIC HAZARDS :** Temperature above 250 °C :  
Thermal decomposition giving flammable and irritating products :  
Methyl methacrylate  
Formation of toxic products through combustion :  
Carbon monoxide  
Carbon dioxide

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS :**  
In case of fire, wear a self-contained breathing apparatus

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### 06 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION :** Do not breathe vapours/dust  
Handle cautiously to avoid cuts

**ENVIRONMENTAL PROTECTION :** Do not release into the environment  
Do not let the product enter into drains

**METHODS FOR CLEANING UP :** -

**Recovery :** Recover the product

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### 07 - HANDLING AND STORAGE

**HANDLING :** -

**Technical measures/Precautions :** Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated

**Safe handling advice :** Handle cautiously to avoid cuts  
Avoid dust formation

**STORAGE :** -

**Technical measures/Storage conditions :** Remove all sources of ignition

**PACKAGING MATERIALS :** -

**Recommended :** Polyethylene

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### 08 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**PROTECTIVE PROVISIONS :** Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations

**PERSONAL PROTECTION EQUIPMENT :** -

**Respiratory protection :** Wear a mask, if necessary

**Hand protection :** Gloves

**Eye protection :** Safety glasses

**Specific hygiene measures :** Do not breathe vapours/dust  
Handle cautiously to avoid cuts

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### 09 - PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE (20°C) :** Solid  
(sheets - lumps ...)

**COLOUR :** Transparent or translucent  
Colourless or coloured

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DECOMPOSITION TEMPERATURE :	> 250 °C
FLASH POINT :	> 250 °C
AUTOIGNITION TEMPERATURE :	430 °C (approximately)
DENSITY :	1190 kg/m <sup>3</sup>
SOLUBILITY :	-
WATER :	Insoluble (20°C)
Solvents :	Soluble in : Chlorinated solvents Aromatic solvents ALDEHYDES KETONES ACETIC ESTERS
OTHER DATA :	Softening point VICAT B : > 110 °C

### 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID :	Remove all sources of ignition
HAZARDOUS DECOMPOSITION PRODUCTS :	Temperatures above 250 °C : Thermal decomposition giving flammable and irritating products : METHYL METHACRYLATE Formation of toxic products through combustion : Carbon monoxide, Carbon dioxide (CO <sub>2</sub> )

### 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY :	According to its structure, can be considered as : Non-harmful
LOCAL EFFECTS :	-
Inhalation :	Products of thermal decomposition : Irritating to respiratory system
Skin-contact :	Products of thermal decomposition : Irritating to skin
Eye-contact :	Products of thermal decomposition : Irritating to eyes Particles emitted during machining operations may lead to mechanical irritation of the eyes

### 12 - ECOLOGICAL INFORMATION

PERSISTENCE/DEGRADABILITY :	-
In water :	Inert polymer Not biodegradable on the basis of its structure

### 13 - DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT :	If recycling is not possible, dispose of in compliance with local regulations
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### 14 - TRANSPORT INFORMATION (\*)

Technical consignment name : (*)	See Section : 2 (*)
ADR/RID :	Not regulated
ADN/ADNR (*) :	Not regulated (*)

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IMDG :	Not regulated	
IATA :	Not regulated Consult ALTUGLAS's safety department for any further information	

### 15 - REGULATORY INFORMATION (\*)

EEC DIRECTIVE (*) :	-	
SAFETY DATA SHEETS (*) :	D. 91/155/EEC amended by D.93/112/EEC and D. 2001/58/CE: Dangerous substances and preparations (*)	
EC CLASSIFICATION / LABELLING (*) :	-	
DANGEROUS PREPARATIONS (*) :	D. 1999/45/EC amended by D. 2001/60/CE (*) Not classified as dangerous (*)	
INVENTORIES (*) :	EINECS (EU) : conforms (*) TSCA (USA) : listed DSL (Canada) : listed ENCS (Japan) : 6-524 ECL (Korea) : KE-25051 (*) PICCS (The Philippines) : listed (*)	

### 16 - OTHER INFORMATION (\*)

FURTHER INFORMATION (*) :	-	(*)
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This information applies to the PRODUCT AS SUCH and conforming to specifications of ALTUGLAS  
 In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear  
 The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. However the revision of some data is in progress  
 Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes  
 The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive  
 It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product  
 It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes)  
 the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment  
 The (\*) indicate the changes made with respect to the previous version

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