

# DIN Material Safety Data Sheet

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## 1. PRODUKT IDENTIFICATION

Commercial product name: MARLAN<sup>®</sup> Sheets, Sinks, Bowls and other casted Forms

Chemical characterization/formula/synonymous solid elements: Aluminiumtrihydrate /  $Al_2(OH)_3$   
Cross-linked polyester  
Several inorganic pigments

Chemical characterization/formula/synonymous solid elements: Not relevant

## 2. COMPOSITION / INFORMATION ABOUT COMPONENTS

Chemical name	VN-nr.	Cas-nr.	EEG-nr.	gew.%
Aluminiumtrihydrate/ $Al_2(OH)_3$				
Cross-linked polyester				
Others				

## 3. INDICATIONS ON HAZARD

CEA-classification: Not classified  
Fire: Starting dissection at heating over 200° C. Class 0 in terms of BS 476: Part 6 as defined by the national building regulations.  
Explosion: Not relevant  
Effects of (excessive) exposures: Non, only excessive exposures to dust can effect irritation of the eyes and respiration organs  
Symptoms at (excessive) exposures: Respiratory: Dustirritation  
Skincontact: Non  
Eyecontact: Dustirritation  
Swallow: Non

## 4. FIRST AID

Respiratory: Fresh air  
Skincontact: Not relevant  
Eyecontact: Wash with water  
Swallow: Not relevant

## 5. EXTINGUISHING MEASURES

Extinguishing media: All available extinguishing media  
Dangerous dissection and combustion products: Non, in case of complete combustion  
Protection in case of fire: Protecting measures against smoke

## 6. MEASURES IN CASE OF SPILLAGE

Personal protection: Not relevant  
Protection of the environment: Not relevant, restmaterials can be removed to the regular rubbish-dump taking the local authority regulations into consideration.  
Clear away: Not relevant

## 7. STORAGE AND HANDLING

Storage: Not relevant  
Handling: Take measures regarding dust during mechanical fabrication; MAC-number of inert dust is 6 mg/m<sup>3</sup>.

## 8. DATA OF EXPOSURE / PREVENTION

Chemical name:	TLV	MAC		
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Inert dust				6
<u>Protection of respiration:</u>	At least dustmask and/or local dustextractor during mechanical fabrication			
<u>Protection of the skin:</u>	Not relevant			
<u>Eye protection:</u>	Goggles are recommended during mechanical fabrication			

## 9. PHYSICAL AND CHEMICAL DATA

External: Solid sheets, sinks, bowls and other shapes  
Colour: Several  
Odour : Odourless. Only at mechanical fabrication.  
Boiling-point: Not relevant  
Melting-point: 95° C. (Glass transition temperature)  
Flash point: Not relevant  
Ignition temperature: Not qualified  
Comparative densety (water=1): 1,65-1,77  
Comparative vapour densety (air=1): Not relevant  
Comparative densety at 20° C of a saturated vapour/air mixture (air=1): Not relevant  
Vapour pressure (20° C.): Not relevant

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<u>Solubility in water (20° C.):</u>	Not
<u>Explosion limits in air:</u>	Not relevant
<u>Viscosity:</u>	Not relevant
<u>pH value:</u>	Not relevant
<u>Conduction:</u>	Not qualified

## 10. STABILITY AND REACTIVITY

<u>Circumstances to avoid:</u>	Not relevant
<u>Materials to avoid:</u>	Not relevant
<u>Dangerous break down products:</u>	Not relevant

## 11. POISONOUSNESS

<u>Inhalation:</u>	According to "UNBEDENKLICHKEITSERKLÄRUNG 16503 U 01" MARLAN® may be used safely for the intended purpose and may stand in direct contact with dry, moist and fatty foodstuffs.
<u>Skin:</u>	See inhalation
<u>Eyes:</u>	See inhalation
<u>Swallow:</u>	See inhalation

## 12. ENVIRONMENTAL DATA

<u>Dispersion:</u>	Not qualified
<u>Bio-degradable:</u>	Not
<u>Bio-accumulation:</u>	Non
<u>Poisonousness:</u>	According to "UNBEDENKLICHKEITSERKLÄRUNG 9698 U 96" MARLAN® may be used safely for the intended purpose and may stand in direct contact with dry, moist and fatty foodstuffs.

## 13. WASTE

<u>Method:</u>	Restmaterials can be removed to the regular rubbish-dump taking the local authority regulations into consideration.		
<u>Danger:</u>	Not		
<u>Waste-codes:</u>	WCA; Not relevant	KCA;	Not relevant

## 14. TRANSPORT

<u>Special facilities:</u>	Not		
<u>Classification:</u>			
UN-nr.:	Not registrated		
CAS-nr.:	Not registrated		
EINECS nr.:	Not registrated		
EEG nr.:	Not registrated		
Hazchem-code:	Not qualified		
<u>Seaborne transport (IMDG):</u>	Not qualified		
Class:			
Packing-cluster:		Tank-container:	
Label:			
MFAG:		EmS:	
<u>Airfreight (ICAO/IATA):</u>	Not qualified		
Class:			
<u>Road haulage and rail carriage:</u>	Not qualified		
Class:			
Packing-cluster:		GEVI nr.:	
Label:		EVO-card:	
<u>Inland navigation transport (ADNR):</u>	Not qualified		
Class:			
Label:			

## 15. ENVIRONMENTAL DANGEROUS GOODS REGULATIONS

<u>EEG-classificationn:</u>	Not registrated
<u>Contains:</u>	
Label:	Not relevant
<u>R-sentences (particular danger):</u>	Not relevant
<u>S-sentences (safety-recommendations):</u>	Not relevant

## 16. FURTHER INFORMATION

This information is only suitable for the materials mentioned in this safety data sheet.