

Safety Data Sheet [91/155/EEC]		AUDAX	
Product: Renitherm® PMA 600 HD, Waterborne fire protective coating for structural steel, Indoors wasserbasierende Brandschutzbeschichtung für Stahl, Innenanlagen			
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## 1. Identification of Preparation & Company

Commercial product name: Renitherm® PMA 600 HD waterborne intumescent basecoat, indoors  
Intended use: Intumescent fire protective paint for structural steel

Manufacturer / Supplier: AUDAX-Keck GmbH  
Weiherstr. 10  
75365 Calw / Germany  
☎ +49 7051 1625-0  
☎ +49 7051 1625-50

Responsible Department: GL / R&D

## 2. Composition / Information on Ingredients

The product does not contain any substances presenting a health hazard within the meaning of CHIP Regulations

Description Mixture of synthetic resins, pigments

Range [%]	Substance
5 - 20	Titanium dioxide
	CAS: 13463-6-7, EINECS/ELINCS: 236-675-5
	GHS/CLP: not determined
1 - 10	Pentaerythritol
	CAS: 115-77-5, EINECS/ELINCS: 204-104-9
	GHS/CLP: not determined
1 - <5	2-(2-Butoxyethoxy)ethanol
	CAS: 112-34-5, EINECS/ELINCS: 203-961-6, EU-INDEX: 603-096-00-8
	GHS/CLP: Eye Irrit. 2, H319
	EEC: Xi R36

## 3. Hazards Identification


The product is not classified as dangerous according to CHIP Regulations

## 4. First Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

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**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do not use solvents or thinners.

**Ingestion:** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

## 5. Fire fighting measures

**Extinguishing Media:** Recommended: Alcohol resistant foam, CO<sub>2</sub>, dry powder, water spray  
Not to be used: Water jet

**Recommendations:** Fire will produce dense black smoke containing hazardous products of combustion (see section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. Accidental release measures

Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e. g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately, in the case of contamination of streams, rivers or lakes, the relevant environment agency.

## 7. Handling and Storage

**Handling:** Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking eating and drinking should be prohibited in areas of storage and use. For personal protection, see section 8. Never use pressure to empty; the container is not a pressure vessel. Always keep in containers made of the same material as the supply container. The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.

**Storage:** Store between +5°C and +35°C (protect from frost) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers, which are opened, should be properly resealed and kept upright to prevent leakage.

## 8. Exposure controls / Personal protection

**Engineering Measure:** Provide adequate ventilation. Where reasonable practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of

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particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see 'Personal Protection' below).

**Exposure Limits:** The product does not contain any substances subject to Occupational Exposure Limits (OEL).

**Personal Protection:** All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations. Whilst this product contains no substance subject to OEL's, good painting practice should avoid any inhalation of spray mist when spraying the product.

**Hand Protection:** When skin exposure may occur, wear suitable gloves, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

**Eye Protection:** Eye protection designed to protect against liquid splashes should be worn.

**Skin Protection:** Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

## 9. Physical and Chemical Properties

Melting Point	<0°C	Boiling Point	100 °C
Oxidising Properties	None known	Autoflammability	n/a
Solubility (water)	Dispersible	Vapour pressure:	2.4 kPa (20°C)
Explosive limits	n/a	Appearance	white viscous liquid
Odour	none	Density	1.3-1.4 g/ml (25°C)
Flashpoint	n/a	Volatility	20-25% by weight
pH (in water)	8.0-9.5	Viscosity	20-30 Pas (20°C)

## 10. Stability and Reactivity

Stable under the recommended storage and handling conditions (see section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and phosphorous may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of thermal reaction.

## 11. Toxicological Information

There is no data available on the product itself.

## 12. Ecological Information

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There is no data available on the product itself

The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground of surface waters.

### 13. Disposal Considerations

Do not allow into drains or watercourses or dispose where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the local official recommendations.

### 14. Transport Information

The product is not classified as dangerous for transportation according with national and international regulations

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

### 15. Regulatory Information

The product is determined as not hazardous according to the CHIP Regulations and the relevant EC-Standards (67/548/EWG and 88/379/EWG).

### 16. Other Information

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside of the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.