

**ADING AD**  
**1000 SKOPJE, R. MAKEDONIJA**  
**Novoselski pat bb**

## MATERIAL SAFETY DATA SHEET

ISSUE 1.0

DATE :11.01.2008

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **PLAMAL-3D**  
Product use: Fire protection system of steel constructions  
Manufacturer/Supplier: ADING A.D  
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Skopje,R.Macedonia  
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E-mail: ading@ mt.net.mk  
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### 2.CHEMICAL COMPOSITION/INFORMATION OF THE COMPONENTS

CHEMICAL COMPOSITION:	CAS/EINECS	Concentration	Classification	Risk phrases
Acrylate resin		25-50 %	X,N	R10;R20/21/22;R52

### 3. HAZARD IDENTIFICATION

Main hazards: Combustible  
Harmful by inhalation, swallowing and skin contact  
Harmful to aquatic species

### 4. FIRST AID MEASURES

Ingestion: Do not induce vomiting because of risk of aspiration. Rinse mouth with water, give copious amounts of water and seek medical advice.  
Eye contact: Immediately flood the eye with plenty of water ,holding the eye open.  
Obtain medical attention  
Skin contact: Wash skin with soap and water.  
Remove contaminated clothing as washing proceeds.  
Obtain medical attention if irritation occurs  
Health care facilities: Provide pure water for flooding of eyes/skin.  
Medical recommendation: Provide symptomatic medical treatment

### 5. FIRE FIGHTING MEASURES

Extinguishing media: Use foam, dry chemical, carbon dioxide.  
Extinguishing media-not suitable Do not use water jet  
Protective equipment for fire-fighting: Wear protective clothing and self-contained breathing apparatus.  
Cool the containers with water  
Special hazards of product: None

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective clothing. Advise authorities Keep away

Clean up methods: the unnecessary personnel.  
Pump large spillages and dispose the absorbed material according to local regulations.  
Cover the remainder with inert absorbent, sand and sawdust..

Environmental Precautions: Disposal according to local regulations.  
Collect as much as possible in a clear container for disposal

#### 7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing

Storage: Storage area should be cool, dry, ventilated out of direct sunlight  
Storage temperature should be controlled to between 5 and 25°C  
Store in the original container securely closed.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering control measures: Use of the basic principles of industrial hygiene will enable this material to be used safely. Provide closed containers

Respiratory protection: If limits are exceeded use an approved equipment

Personal protection: General protection and precautions

Hand protection: Wear suitable impervious gloves

Eye protection: Wear safety glasses

Body protection: Wear protective clothing

Skin protection: Wash hands and face before break..

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: white or coloured paste compound

Odour: aromatic

pH: /

Solubility – water: slight

Dry content: 68±2

Density: 1,3-1,4 g/cm<sup>3</sup> ,DIN 51757,20°C

#### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: Heating and sparkling

Hazardous decomposition products: Oxides of agents, oxygen ,moisture

#### 11. TOXICOLOGICAL INFORMATION

Acute toxicity of fish: /

Bacteria toxicity: /

Bio accumulative potential: log P: Not applicable

Persistence/degradability: The product is expected to be inherently biodegradable

Eco toxicity: The material is harmful to aquatic species

#### 12. ECOLOGICAL INFORMATION

Ecologic effects: Not harmful if handled properly according to instructions

The product is eliminated from water by the process of absorption of activated coal.

Biology effects: Fish LC<sub>50</sub>>10000 mg/l

#### 13. DISPOSAL

Methods of disposal: Controlled incineration.

Hazard: Empty the containers which contain solvent vapours, hazardous for fire explosion. Arrange for disposal only via a licensed waste containers (Forbidden removal in domestic waste )

#### 14. TRANSPORT INFORMATION

Classification:  
Road:(ADR): UN 1866 RESIN SOLUTION: flammable,3III  
Air:(ICAO/IATA): UN 1866 RESIN SOLUTION: flammable,3III  
Sea:(MDG/IMO): UN 1866 RESIN SOLUTION: flammable,3III,sea pollutant

#### 15. REGULATORY INFORMATION

Label requirements: Harmful material Harmful to environment



Risk phrases: R 10 flammable  
R 20/21/22 -harmful by inhalation, swallowing and skin contact  
R 52- harmful to aquatic species

Safety phrases: S 16- keep away from sources of ignition – No smoking  
S 15 - keep away from source of heat  
S 24- avoid skin contact

#### 16. OTHER INFORMATION

Reason for Issue: New format

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.