



HUBER ENGINEERED MATERIALS

## Safety Data Sheet

According to GB/T 16483-2008: Safety Data Sheet for Chemical Products

Revision Date: 29/Apr/2011

Revision Number: 1.1

# MICRAL® 916

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	MICRAL® 916
<b>Product use</b>	Defoamer, Filler
<b>Specific End Uses</b>	Flame Retardant Smoke suppressant
<b>Chemical Name</b>	Aluminum Trihydrate
<b>Company</b>	J.M. Huber Corporation 1000 Parkwood Circle Suite 1000 Atlanta, GA 30339 USA Tel: 678-247-7300 Fax: 1-678-247-2797
<b>Emergency Telephone</b>	CHEMTREC: 1 800 424 9300 or International +1 703 527 3887
<b>Internet</b>	<a href="http://www.hubermaterials.com">www.hubermaterials.com</a>
<b>Email</b>	<a href="mailto:cheryl.vandyne@cpkelco.com">cheryl.vandyne@cpkelco.com</a>

## 2. HAZARDS IDENTIFICATION

### Hazard Classification

<b>Physical Hazard</b>	Not classified
<b>Health Hazard</b>	Not classified
<b>Environmental Hazard</b>	Not classified.

### Label Elements

**Signal Word** None

**Hazard Statement** None

**Precautionary Statement** None

**Prevention** None

**Response** None

**Storage** Store in a dry place

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT(S) / CAS	CAS NUMBER:	%W/W	CHINA CLASSIFICATION
Aluminum Trihydrate	21645-51-2	100	Not classified

### 4. FIRST AID MEASURES

**Eye contact** Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.

**Skin contact** Wash skin with soap and water.

**Ingestion** Rinse mouth with water. Do not induce vomiting.

**Inhalation** Remove person to fresh air.

**General Advice** In case of doubt or when symptoms persist, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media** All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

**Suitable extinguishing media** Non-combustible.

**Unsafe extinguishing media:** None.

**Special exposure hazards:** None.

**Special protective equipment for firefighters** Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid dust formation.

When exposed to high concentrations of airborne dust, wear a SCBA in accordance with national legislation.

**Environmental precautions** This product presents no particular risk to the environment.

Refer to national and local regulations in force prior to discharge into the sewer.

**Cleanup methods** Pick up mechanically and / or by rinsing with water.

Avoid dry sweeping and use a sprinkler system or exhaust ventilation to prevent dust formation.

## 7. HANDLING AND STORAGE

**Handling** Avoid dust formation.  
Provide appropriate exhaust ventilation in places where dust is formed.  
In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage** Store in a dry area. Keep containers closed and protect from physical damage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls:</b>	Use mechanical ventilation (dilution and local exhaust) to control exposure.
<b>Nuisance particles/ Nuisance dust:</b>	If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are: ACGIH: 10 mg/g3 (total dust), 3 mg/m <sup>3</sup> (respirable fraction) OSHA PEL: 15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
<b>Eye Protection</b>	Safety glasses with side shields.
<b>Skin and Body Protection:</b>	Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure.
<b>Hand Protection:</b>	Impervious gloves: chemical resistant. EN 420
<b>Respiratory Protection:</b>	In case of exposure to high levels of airborne dust, wear a respirator EN 149, P2 half masks
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental Exposure:</b>	This product does not present any particular risk for the environment. Check the appropriate national and local regulations before the product is washed into the sewer.
<b>Exposure Limit Values:</b>	

Aluminum Trihydrate - CAS: 21645-51-2  
ACGIH - TLV-TWA 8-hour 1 mg/m<sup>3</sup> (respirable)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White powder
<b>Odor</b>	Odorless
<b>pH:</b>	8.4 - 10.2, (5% water suspension)
<b>Flash point</b>	Non-combustible
<b>Density</b>	2,4 g/cm <sup>3</sup> , 20°C
<b>Water Solubility</b>	Insoluble
<b>Decomposition Temperature</b>	200° C

## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions

**Conditions to avoid** None

**Materials to avoid (Incompatible Materials)** Strong Acids

**Hazardous decomposition products** None

## 11. TOXICOLOGICAL INFORMATION

**Eye irritation** Non-irritating.

**Skin irritation** Non-irritating.

**Inhalation** Avoid inhalation of dust.

**Ingestion** Avoid ingestion

**Chronic toxicity** No evidence of mutagenic, reproductive or carcinogenic effects.

**Acute toxicity** No evidence of acute toxicity

**Sensitization** Does not cause sensitization.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** EC50 (Fish) > 10000 mg/l  
EC50 (Daphnia) > 10000 mg/l

**Mobility** Inert material.

**Persistence / Degradability** Non-degradable

**Bioaccumulative potential** Inert Material

**Other Adverse Effects** None known.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose in accordance with local, state and national regulations.

## 14. TRANSPORT INFORMATION

**China Dangerous Goods** Not a dangerous substance.

**UN NUMBER:** None.

**IMO / IMDG:** Not a dangerous substance.

**ICAO / IATA:** Not a dangerous substance.

**D.O.T. Hazard Classification** Non-hazardous material.

**Other information** Environmental hazards: None known

Special precautions for user: Refer to Sections 2, 7, 8, 9, 10

## 15. REGULATORY INFORMATION

**CLASSIFICATION:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. This product is not classified as dangerous.

**Component(s) of the product are on the following Inventory lists:**

COMPONENT(S) / CAS	EC / REACH	Australia (AICS)	Canada	China (IECSC)	Japan	Korea (KECL)	New Zealand (NZIoC)	Philippines (PICCS)	USA (TSCA)	Taiwan (ECN)
Aluminum Trihydrate CAS: 21645-51-2	244-492-7 01-2119529246-39	Present	Present (DSL)	Present	(1)-17 (ENCS)	KE-00980	Present	Present	Present	Nominated

The product has not been classified as dangerous according to the legislation in force (GB13690 and GB6944).

## 16. OTHER INFORMATION

**Prepared by** Cheryl A. Van Dyne  
 Global Senior Manager  
 Regulatory Management Systems  
 email: cheryl.vandyne@cpkelco.com  
 phone: 1-619-595-5027 (USA)

**Sources of key data** Literature data and/or investigative reports are available through the manufacturer.

**Training Advice** Personnel handling the substance(s) named in this Safety Data Sheet should be skilled and trained in areas associated with the key points named herein.

Personnel should have training and access to appropriate PPE for handling this product.

Personnel handling the substance(s) named in this Safety Data Sheet are responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the substance(s) intended purpose.

If additional information is required, please contact the supplier or an expert.

**Reason for version** GB 13690-2009  
GB 15258-2009  
GB T16483-2008

**Acronym / Abbreviation**

ACRONYMS:  
INTERNATIONAL:  
ADR: International Carriage of Dangerous Goods by Road  
BOD: Biochemical Oxygen Demand  
CLP: Classification, Labeling and Packaging  
COD: Chemical Oxygen Demand  
D.O.T.: U.S. Department of Transportation  
ICAO International Civil Aviation Organization  
IATA: International Air Transport Association (IATA)  
IMO::International Maritime Organization.  
IMDG::International Maritime Dangerous Goods  
OES: Occupational Exposure Standard  
OR: EU REACH Only Representative  
PPE: Personal protection equipment  
RID: International Carriage by Rail  
SCBA: self contained breathing apparatus  
TLV-STEL: Threshold Limit Values - Short Term Exposure Limits  
TWA: Time Weighted Averages

North America:  
CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity  
CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CONEG: Conference of North Eastern Governors  
NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration  
SARA: Superfund Amendments and Reauthorization Act (US EPA)  
TDG: Canada Transport of Dangerous Goods  
WHMIS: Canada's Workplace Hazardous Materials Information System

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**END OF SAFETY DATA SHEET**