

### Kemgard® 911A

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) No. 2020/878

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# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: Kemgard® 911A

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Flame retardant Smoke suppressant

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer J.M. Huber Corporation

3100 Cumberland Boulevard, Suite 600

Atlanta, GA 30339 USA Tel: +1 678 247-7300

Internet www.huberadvancedmaterials.com

Contact E-Mail www.huberadvancedmaterials.com/contact

E-mail hubermaterials@huber.com

1.4. Emergency telephone

number

CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

Poison control center phone

number

National Anti-Poison Center UK: +44 844 892 0111 (National Poisons

Information Service)

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

(CLP) Regulation (EC 1272/2008) This mixture is classified as hazardous according to regulation (EC) No. 1272/2008

[CLP]

Hazards identification

Physical Hazard Not classified

Health Hazards Not classified

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Environmental Hazard Acute Aquatic Toxicity: Category 1

Chronic Aquatic Toxicity: Category 1

2.2. Label elements

Symbols/Pictograms



Signal Word Warning

Hazard Statements H410 - Very toxic to aquatic life with long lasting effects

H400 - Very toxic to aquatic life

**Precautionary Statements** 

**Prevention** P202 - Do not handle until all safety precautions have been read and understood

P273 - Avoid release to the environment

Response P391 - Collect spillage

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all

contaminated clothing. Rinse skin with water [or shower]

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Storage Store away from incompatible materials

**Disposal** P501 - Dispose of contents/ container to an approved waste disposal plant.

**2.3. Other hazards** No information available.

# **SECTION 3: Composition/information on ingredients**

**3.1. Substance** Not applicable

**3.2. Mixture** Mixture

Chemical Name	CAS Number	EC No	(CLP) Regulation (EC	Weight-%	
			1272/2008)		
Calcium Carbonate	471-34-1	207-439-9	Not classified.	>1	
Calcium Molybdate	7789-82-4	232-192-9	Not classified.	>1	
Zinc Oxide	1314-13-2	215-222-5	Aquatic Acute Category 1;	>1	
			H400.		
			Aquatic Chronic Category		
			1; H410.		

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### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**General Advice** Do not handle until all safety precautions have been read and understood. Employ

> good industrial hygiene practice. Wear suitable protective clothing, gloves and eye/face protection. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. When in doubt or if

symptoms are observed, get medical advice.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact **Eye Contact** 

lenses, if present and easy to do. Continue rinsing.

**Skin Contact** Wash with plenty of soap and water.

Inhalation Do not breathe dust. If breathing is difficult, remove victim to fresh air and keep at

rest in a position comfortable for breathing.

Ingestion Rinse mouth thoroughly with water.

**Aspiration hazard** Not an expected route of exposure.

**Notes to Physician** Treat symptomatically.

4.2. Most important symptoms and effects, both acute and

delayed

May cause irritation to mucous membranes and respiratory tract. Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical

irritation or drying of the skin.

medical attention and special

treatment needed

**4.3. Indication of any immediate** Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable Extinguishing

Media

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO2).

#### **Unsuitable Extinguishing Media**

Do not use water jetstream.

#### 5.2. Special hazards arising from the substance or mixture

None known.

#### 5.3. Advice for firefighters

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Special protective

equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-fighting measures

Water mist may be used to cool closed containers. No special fire protection measures are necessary. Standard procedure for chemical fires.

### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Keep unauthorized personnel away. Avoid dust formation. Ensure adequate

ventilation. Use personal protection recommended in Section 8.

For non-emergency personnel Keep unauthorized personnel away.

For emergency responders Keep unauthorized personnel away. Use personal protection recommended in

Section 8.

**6.2. Environmental precautions** Do not empty into drains or water courses.

6.3. Methods and material for containment and cleaning up

Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a

vacuum to collect dust Small Spill: Vacuum or sweep material and place in a

disposal container

**6.4. Reference to other sections** Section 8: Exposure controls and personal protection. See Section 13 for

additional waste treatment information.

### **SECTION 7: Handling and storage**

7.1. Precautions for safe

handling

Avoid exposure - obtain special instructions before use

Do not handle until all safety precautions have been read and understood.

Do not breathe dust

Ensure adequate ventilation

Wear appropriate personal protective clothing to prevent skin contact Handle in accordance with good industrial hygiene and safety practice

**7.2. Conditions for safe storage**, Keep container tightly closed and dry **including any incompatibilities** Store away from incompatible materials

## **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

Occupational exposure limits

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**Calcium Carbonate** 

ACGIH 3 mg/m³ Resirable 10 mg/m³ Total Dust

 OSHA
 10 mg/m³

 Spain
 10 mg/m³

Calcium Molybdate

ACGIH TWA: 10 mg/m³ (total dust)

 Belgium
 TWA: 10 mg/m³

 Bulgaria
 TWA: 10 mg/m³

 Czech Republic
 Ceiling: 25 mg/m³

 TWA: 5 mg/m³
 STFI: 10 mg/m³

Poland STEL: 10 mg/m³ TWA: 4 mg/m³

Zinc Oxide

ACGIH STEL: 10 mg/m³ (respirable)
TWA: 2 mg/m³ (respirable)

OSHA

PEL: 15 mg/m³ (total dust)

5 mg/m³ (respirable fraction)

NIOSH

Ceiling: 15 mg/m³ (total dust)

Ceiling: 15 mg/m³ (total dust)
STEL: 10 mg/m³(fume)

TWA: 5 mg/m³ (total dust)

AustriaMAK: 5 mg/m³ (fume, respirable dust)BelgiumSTEL: 10 mg/m³ (fume, respirable fraction)

TWA: 5 mg/m³ (fume); 2 mg/m³ (respirable fraction

Bulgaria STEL: 10 mg/m³ TWA: 5 mg/m³

Cyprus TWA: 5 mg/m³ (fume)
Czech Republic Ceiling: 5 mg/m³
TWA: 2 mg/m³

DenmarkTLV: 4 mg/m³EstoniaTWA: 5 mg/m³

Finland STEL: 10 mg/m³ (fume) TWA: 2 mg/m³ (fume)

**France** VME: 5 mg/m³ (fume); 10 mg/m³ (dust) **Germany** DFG MAK: TWA: 1 mg/m³ (respirable)

**Greece** STEL: 10 mg/m³ (fume)

5 mg/m³ (fume)

**Hungary** STEL: 20 mg/m³ (respirable) TWA: 5 mg/m³ (respirable)

Iceland TWA: 4 mg/m³ (fume)

Ireland STEL: 10 mg/m³ (respirable fraction & fume)
TWA: 2 mg/m³ (respirable fraction & fume)

Italy STEL: 10 mg/m³ (respirable fraction)

TWA: 2 mg/m³ (respirable fraction)

 Latvia
 TWA: 0.5 mg/m³

 Lithuania
 TWA: 5 mg/m³

 Norway
 TLV: 5 mg/m³

Poland STEL: 10 mg/m³ (fume) TWA: 5 mg/m³ (fume)

**Portugal** TWA: 2 mg/m³ (respirable fraction) **Portugal** STEL 10 mg/m³ Respirable fraction

Romania TWA: 5 mg/m³ (fume)
Romania STEL 10 mg/m³ Fume

Slovakia STEL: 1 mg/m³ (respirable fume)
TWA: 1 mg/m³ (respirable fume)

Slovenia TWA: 5 mg/m³ (respirable fume)
Spain STEL: 10 mg/m³ (respirable fraction)
TWA: 2 mg/m³ (respirable fraction)

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Sweden TWA: 5 mg/m<sup>3</sup> (total dust)

**Switzerland** STEL: 3 mg/m<sup>3</sup> (fume & respirable dust) TWA 3 mg/m<sup>3</sup> (fume & respirable dust)

Switzerland STEL 3 mg/m<sup>3</sup> Fume and respirable

Recommended monitoring

procedures

Refer also to national guidance documents for information on currently

recommended monitoring procedures

None **Biological Limit Values** 

DNEL (Derived No Effect Level) No data available

PNEC (Predicted No Effect Concentration) No information available

8.2. Exposure controls

Do not handle until all safety precautions have been read and understood **Engineering Measures** 

Ensure adequate ventilation, especially in confined areas

Provide a good standard of controlled ventilation (10 to 15 air changes per hour) Use exhaust ventilation to keep airborne concentrations below exposure limits

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

Wear suitable protective clothing. **Skin and Body Protection** 

Thermal hazards None known.

Follow general hygiene considerations recognized as common good workplace **Hygiene Measures** 

practices

**Environmental Exposure** 

**Controls** 

Dispose of in accordance with local regulations

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Appearance:

Solid Powder **Physical State** Color White Odorless Odor

No information available **Odor Threshold** 

84 pH:

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Melting Point / Melting Range
Melting point / Freezing point
Boiling Point
Freezing Point
Flash Point
Evaporation Rate
Flammability (solid, gas)
Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

Upper flammability limit: -Lower flammability limit: --

Vapor PressureNot applicableVapor DensityNot applicableVapor DensityNot applicableDensityNo data available

Relative Density 3

Water Solubility
Solubility in other solvents
Partition coefficient
Autoignition Temperature
Decomposition Temperature
Slightly soluble
No data available
No data available
No data available

**Viscosity** No information available.

Kinematic viscosity

Oxidizing Properties

Not applicable

Not applicable

Particle Size No information available

Specific Gravity 3.0

VOC Content (%) Not applicable

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable

#### 9.2.2. Other safety characteristics

Not applicable

### **SECTION 10: Stability and reactivity**

**10.1. Reactivity** Stable under normal conditions

**10.2. Chemical stability** Stable under normal conditions

10.3. Possibility of hazardous

reactions

No specific hazard known

**10.4. Conditions to avoid** Incompatible materials Dust formation

10.5. Incompatible materials Strong oxidizing agents

10.6. Hazardous decomposition None known

products

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# **SECTION 11: Toxicological information**

General Information Users are advised to consider national Occupational Exposure Limits or other

equivalent values.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Calcium Carbonate

**Oral LD50** 6450 mg/kg (rat)

Zinc Oxide

**LD50s and LC50s** 5000 mg/kg Oral LD50 Rat

Oral LD50 7950 mg/kg Rat

Acute Toxicity Low hazard for usual industrial or commercial handling

Chronic Toxicity No data available.

Respiratory Sensitization Does not cause sensitization

**Skin Corrosion/Irritation**Contact with dust can cause mechanical irritation or drying of the skin

Skin Sensitization Not a skin sensitizer

**Reproductive Effects**This product does not contain any known or suspected reproductive hazards.

Reproductive Toxicity Not classified.

**Carcinogenicity**Not listed as a carcinogen. This product does not contain any carcinogens or

potential carcinogens as listed by OSHA, IARC or NTP.

Target Organ Effects Not classified.

Specific target organ toxicity -

Single exposure

Not classified.

Specific target organ toxicity -

Repeated exposure

Not classified.

Information on Likely Routes of Exposure

**Inhalation** Avoid inhalation of the product

Inhalation of dust may cause irritation of the respiratory system

**Ingestion** Ingestion is not a likely route of exposure

**Skin** Avoid contact with skin

Contact with dust can cause mechanical irritation or drying of the skin

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Avoid contact with eyes **Eyes** 

Dust contact with the eyes can lead to mechanical irritation

**Aspiration hazard** Not an expected route of exposure.

11.2. Information on other hazards

11.2.1. Endocrine disrupting This product does not contain any known or suspected endocrine disruptors

properties

Not applicable 11.2.2. Other information

**SECTION 12: Ecological information** 

12.1. Toxicity Very toxic to aquatic life with long lasting effects

Calcium Carbonate

WGK Classification (AwSV) 317 WGK: nwg

Calcium Molybdate

WGK Classification (AwSV) WGK: Not listed

Zinc Oxide

WGK Classification (AwSV) 2187 WGK: 2

12.2. Persistence and

degradability

No data available.

**12.3. Bioaccumulative potential** No data available.

Partition coefficient No data available

**Bioconcentration factor** 

(BCF)

No data available.

No data available. 12.4. Mobility in soil

12.5. Results of PBT and vPvB

assessment

No data available.

12.6. Endocrine disrupting

properties

This product does not contain any known or suspected endocrine disruptors

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

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Disposal Methods Disposal should be in accordance with applicable regional, national and local laws

and regulations.

**Contaminated Packaging** Product residue may remain in empty containers. Empty containers should be

taken to an approved waste handling site for recycling or disposal.

Waste codes Waste codes should be assigned by the user based on the application for which

the product was used

**Calcium Carbonate** 

WGK Classification (AwSV) 317 WGK: nwg

Calcium Molybdate

WGK Classification (AwSV) WGK: Not listed

Zinc Oxide

WGK Classification (AwSV) 2187 WGK: 2

## **SECTION 14: Transport information**

#### Mode of Transportation (Road, Water, Air, Rail)

TDG -Canada UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

**DOT** Not regulated in non-bulk packages (<119 gal),

, UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S

(Zinc oxide)

ADR UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

RID UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

ADN UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

IATA UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

IMDG/IMO UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

ICAO UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

**14.1. UN number** UN3077

14.2. UN proper shipping name UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Zinc

oxide)

14.3. Transport hazard class(es) 9

14.4. Packing group

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14.5. Environmental hazards Yes: Marine Pollutant

14.6. Special precautions for Do not handle until all safety precautions have been read and understood.

user

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable



**Marine Pollutant** 



# **SECTION 15: Regulatory information**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **Global Inventories**

Pure substance/mixture Mixture

Chemical Name	CAS Number	EC No	Australia (AIIC)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	Thailand (TECI)		Philippine s (PICCS)	Taiwan	TSCA: United States
Calcium Carbonate	471-34-1	207-439-9	Y	Υ	Υ	(1)-122(E NCS)(ISH L)	KE-04487	Υ	55-1-0385 5	Υ	Y	Υ	Α
Calcium Molybdate	7789-82-4	232-192-9	Y	Υ	Y	(1)-186 (ENCS)(IS HL)	KE-04581	Y		Υ	Y	Υ	Α
Zinc Oxide	1314-13-2	215-222-5	Y	Υ	Y	ENCS: (1)-561 ISHL: (1)-561	KE-35565	Y	55-1-0137 7	Y	Y	Y	А

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REACH No.

**Calcium Carbonate** 

EU REACH registration number Exempt

Calcium Molybdate

EU REACH registration number 01-2119492895-18 Turkish KKDIK pre-registration 05-0000192716-61-0000

Zinc Oxide

**EU REACH registration number** 01-2119463881-32 **Turkish KKDIK pre-registration** 05-0000192715-32-0000

**Germany** 

Very toxic to aquatic life with long lasting effects

Calcium Carbonate

WGK Classification (AwSV) 317 WGK: nwg

Calcium Molybdate

WGK Classification (AwSV) WGK: Not listed

Zinc Oxide

WGK Classification (AwSV) 2187 WGK: 2

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were carried out

### **SECTION 16: Other information**

**Reason for Revision** This safety data sheet complies with the requirements of Regulation (EC) No.

1907/2006 & COMMISSION REGULATION (EU) No. 2020/878

 Issue Date
 01/Jan/2024

 Print Date
 13/Dec/2023

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Prepared by Huber Engineered Materials Global Regulatory Affairs

email: regulatory.affairs@huber.com.

(CLP) Regulation (EC 1272/2008) This mixture is classified as hazardous according to regulation (EC) No. 1272/2008

[CLP]

Labeling

Symbols/Pictograms

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#### Signal Word

#### **Hazard Statements**

#### Warning

H410 - Very toxic to aquatic life with long lasting effects. H400 - Very toxic to aquatic life.



Marine Pollutant



**Training Advice** 

Do not handle until all safety precautions have been read and understood.

#### Abbreviations and acronyms

IARC (International Agency for Research on Cancer)

IUCLID (International Uniform Chemical Information Database)

WHMIS (Workplace Hazardous Materials Information System)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

TWA (Time-Weighted Average)

CLP (The Classification, Labeling and Packaging of Substances and Mixtures Regulation (EC 1272/2008))

PPE (Personal Protection Equipment)

NIOSH (National Institute for Occupational Safety and Health)

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

RQ (Reportable Quantity) (RQ/% in mixture)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)
DNEL (Derived No Effect Level)

SVHC (Substances of Very High Concern)

BOD (Biochemical oxygen demand)

COD (Chemical oxygen demand)

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ICAO (International Civil Aviation Organization)

IMDG (International Maritime Dangerous Goods)

ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail)

IATA (International Air Transport Association)

IMDG (International Maritime Dangerous Goods)

DOT (Department of Transportation)

TDG (Transport of Dangerous Goods) Canada PNEC (Predicted No Effect Concentration)

SCBA (Self-Contained Breathing Apparatus) Positive Pressure

GHS (Globally Harmonized System)
TSCA (Toxic Substances Control Act)

**Disclaimer** 

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**