



Kemgard® 3001

Prepared in accordance with GB/T 16483-2008, GB/T 24774-2009, GB 13690 – 2009, GB/T 17519–2013
GHS (Globally Harmonized System)

Issue Date 01/Jan/2024

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Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Kemgard® 3001
Pure substance/mixture	Mixture
<u>Aluminum Molybdate Mixture</u>	
CAS Number	Proprietary
Weight-%	100
Recommended Use	Flame retardant
Uses advised against	None known
Company:	J.M. Huber Corporation 3100 Cumberland Boulevard, Suite 600 Atlanta, GA 30339 USA Tel: +1 678 247-7300
Emergency Telephone	CHEMTREC China: 4001-204937 (Mandarin) Local call: +86 532 5879 2008
E-mail	www.huberadvancedmaterials.com/contact
Internet	www.huberadvancedmaterials.com

Section 2: HAZARDS IDENTIFICATION

GHS Classification	Not classified.
Physical Hazard	Not classified.
Health Hazard	Not classified.
Environmental Hazard	Not classified.

Label Elements

Symbols/Pictograms	None
Signal Word	None

Precautionary Statements

Prevention	Avoid release to the environment
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Observe good industrial hygiene practices.
Avoid breathing dust.
Use mechanical ventilation (dilution and local exhaust) to control exposure

Response

IF ON SKIN: Wash with plenty of soap and water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

Spills and Leaks

Collect spillage

Storage

Store in a dry place
Store away from incompatible materials.

Disposal

Dispose in accordance with local, state and national regulations

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture

Mixture

Chemical Name	CAS Number	China (IECSC)	China classification	TSCA: United States	EU REACH registration number	Weight-%
Aluminum Molybdate Mixture	Proprietary	Y	Not classified.	A	--	100

Section 4: FIRST AID MEASURES

General Advice

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

Eye Contact

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

Skin Contact

IF ON SKIN: Wash with plenty of soap and water

Inhalation

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

Notes to Physician

Treat symptomatically

**Personal Protective Equipment
For First Aid Responders**

Wear suitable protective clothing
IF exposed or concerned: Get medical advice/attention

Expected acute symptoms and

None known

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delayed symptoms

Section 5: FIRE FIGHTING MEASURES

Flammable Properties None known**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**Unsuitable extinguishing media:** None known**Specific Hazards Arising from the Chemical** None known**Protective Equipment and Precautions for Firefighters** Wear self-contained breathing apparatus and protective suit

Section 6: SPILLAGE, ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure adequate ventilation. Avoid dust formation. Avoid inhalation of dust. Refer to Section 8 for personal protective equipment.**Environmental Precautions** Prevent from entering into soil, ditches, sewers and waterways.**Methods for cleaning up** Sweep or vacuum spilled material Dispose of according to local and regional authority requirements**Other Information:** None known

Section 7: HANDLING AND STORAGE

Handling In case of exposure to environments exceeding the occupational exposure limit, wear a respirator in compliance with national legislation. Handle in accordance with good industrial hygiene and safety practice.**Storage** Keep container tightly closed in a dry and well-ventilated place

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits Provide adequate ventilation as well as local exhaust at critical locations**Engineering Measures** Do not handle until all safety precautions have been read and understood
Ensure adequate ventilation, especially in confined areas
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)

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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)

Skin and Body Protection

Wear suitable protective clothing

Hand Protection

Protective gloves

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice Wash hands and face before breaks and immediately after handling the product.

Environmental Exposure Controls

Dispose of in accordance with local regulations

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties**Appearance:****Physical State**

Solid
Powder

Color

White

Odor

Odorless

Odor Threshold

No information available

Evaporation Rate

Not applicable

Upper flammability limit:**Lower flammability limit:****Relative Density**

No data available

Water Solubility

Soluble

Solubility in other solvents

No information available

Partition coefficient

No data available

Autoignition Temperature**Decomposition Temperature**

Section 10: STABILITY AND REACTIVITY

Stability

Stable under normal conditions

Conditions to avoid:

Dust formation Incompatible materials

Incompatible materials

None known

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Hazardous decomposition products None under normal processing

Hazardous Reactions None under normal processing

Hazardous polymerization: None under normal processing

Section 11: TOXICOLOGICAL INFORMATION

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

Product Information

Information on Likely Routes of Exposure

Eyes	Dust contact with the eyes can lead to mechanical irritation
Skin	Prolonged or repeated contact may dry skin and cause irritation
Inhalation	Avoid inhalation of the product
Ingestion	Ingestion is not a likely route of exposure
Aspiration hazard	Not an expected route of exposure.

11.1. Information on toxicological effects

Acute Toxicity	No information available
Chronic Toxicity	No information available.
Chronic Effects	No information available.
Serious eye damage/eye irritation	No information available
Respiratory Sensitization	No information available
Skin Corrosion/Irritation	No information available
Skin Sensitization	No information available
Mutagenicity	No data available.
Germ cell mutagenicity	No data available.

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Reproductive Effects	No data available.
Carcinogenicity	Not listed as a carcinogen.
Specific target organ toxicity - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure	No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not considered to be harmful to aquatic life. Avoid release to the environment.
Persistence/Degradability:	No data available.
Bioaccumulative Potential	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
Partition coefficient Bioconcentration factor (BCF)	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	This substance does not meet the criteria for classification as PBT or vPvB.
Other Adverse Effects	None known

Section 13: DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products	Dispose of in accordance with local regulations
Contaminated Packaging:	Dispose of contents/container to an approved waste disposal plant

Section 14: TRANSPORT INFORMATION

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

DOT	Not regulated
ADR	Not regulated

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RID Not regulated
ADN Not regulated
IATA Not regulated
IMDG/IMO Not regulated

14.1. UN number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) None

14.4. Packing group None

14.5. Environmental hazards No

14.6. Special precautions for user Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

Section 15: REGULATORY INFORMATION

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

Global Inventories

Chemical Name	CAS Number	EC No	EU REACH registration number	Australia (AIC)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Aluminum Molybdate Mixture	Proprietary	--	--	N	Y	Y	Y	Y	N	N	N	Y	A

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

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Section 16: OTHER INFORMATION

Prepared by	Huber Engineered Materials Global Regulatory Affairs email: regulatory.affairs@huber.com
Reason for Revision	GB/T 16483-2008 GB/T 24774-2009 GB 13690 – 2009 GB/T 17519–2013
GHS Classification	Not classified.
Physical Hazard	Not classified.
Health Hazard	Not classified.
Environmental Hazard	Not classified.
Label Elements	
Symbols/Pictograms	None
Signal Word	None
Abbreviations and acronyms	IARC (International Agency for Research on Cancer) IATA (International Air Transport Association) IMDG (International Maritime Dangerous Goods) IUCILID (International Uniform Chemical Information Database) WHMIS (Workplace Hazardous Materials Information System) DOT (Department of Transportation) 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) TDG (Transport of Dangerous Goods) Canada 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) ICAO (International Civil Aviation Organization) IMDG (International Maritime Dangerous Goods) SCBA (Self-Contained Breathing Apparatus) Positive Pressure GHS (Globally Harmonized System) ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road) RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail) SARA (Superfund Amendments and Reauthorization Act of 1986)

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TSCA (Toxic Substances Control Act)

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End of Safety Data Sheet