



Kemgard® 631

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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Revision Number 1.2.1

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Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Kemgard® 631
Pure substance/mixture	Mixture
<u>Aluminum/Zinc Mixture</u>	
CAS Number	Proprietary
Weight-%	100
Recommended Use	Flame retardant Smoke suppressant
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	hubermaterials@huber.com
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	Do not handle until all safety precautions have been read and understood.
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Employ good industrial hygiene practice

Do not breathe dust.

Wear protective gloves/protective clothing/eye protection/face protection.

Response

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

IF ON SKIN: Wash with plenty of soap and water

Spills and Leaks

Collect spillage

Storage

Store away from incompatible materials.

Store in a dry place

Disposal

Dispose in accordance with local, state and national regulations

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

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/Zinc Mixture	Proprietary	Y	Not classified	A	Contact JM Huber for REACH Regulatory Status	100

Additional Information:

TSCA -- A: Component is listed on Inventory as Active

Section 4: 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

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

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

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Skin Contact	Wash with plenty of soap and water
Inhalation	Do not breathe dust IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious)
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 delayed symptoms	Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin

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
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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)
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

Flash Point

Not determined.

Evaporation Rate

Not applicable

Flammability (solid, gas)

Not applicable

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

No data available

Water Solubility

Soluble

Solubility in other solvents

No data available

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Partition coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available

Section 10: STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to avoid:	Dust formation Incompatible materials
Incompatible materials	None known
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.
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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	Based on available data, the classification criteria are not met
Chronic Toxicity	Based on available data, the classification criteria are not met.

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Serious eye damage/eye irritation	Based on available data, the classification criteria are not met
Skin Sensitization	Based on available data, the classification criteria are not met
Mutagenicity	Based on available data, the classification criteria are not met.
Reproductive Toxicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - Single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - Repeated exposure	Based on available data, the classification criteria are not met.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not considered to be harmful to aquatic life. Avoid release to the environment.
Persistence/Degradability:	The methods for determining biodegradability are not applicable to inorganic substances.
Bioaccumulative Potential	Not likely to bioaccumulate.
Partition coefficient	No data available
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:	Product residue may remain in empty containers Empty containers should be taken to an approved waste handling site for recycling or disposal.

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Section 14: TRANSPORT INFORMATION

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

DOT	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
ICAO	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/Zinc Mixture	Proprietary	Contact JM Huber for EC No. Status	Contact JM Huber for REACH Regulatory Status	Y	N	Y	Y	Y	N	Y	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	New product
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) IUCLID (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) TSCA (Toxic Substances Control Act)

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information

HUBER

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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