



Kemgard® 1100

Globally Harmonized System (GHS)

Issue Date: 25/Sep/2020
Print Date: 25/Sep/2020

Revision Number: 1.5
Page 1 of 10

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

1.1. Product identifier

Product Name: Kemgard® 1100

Pure substance/mixture Mixture

Talc

CAS Number 14807-96-6

Weight-% 75 - 90

Molybdenum zinc oxide

CAS Number 22914-58-5

Weight-% 10 - 25

Crystalline Silica, quartz (impurity)

CAS Number 14808-60-7

Weight-% <0.1

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

Company: J.M. Huber Corporation
3100 Cumberland Boulevard, Suite 600
Atlanta, GA 30339 USA
Tel: +1 678 247-7300

Internet www.hubermaterials.com

E-mail hubermaterials@huber.com

1.4. Emergency telephone number CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS Classification Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Issue Date: 25/Sep/2020
 Print Date: 25/Sep/2020

Revision Number: 1.5
 Page 2 of 10

Hazards identification

Physical Hazard	Not classified
Health Hazards	Not classified
Environmental Hazard	Not classified

2.2. Label elements

Symbols/Pictograms	None
Signal Word	None
Hazard Statements	None

Precautionary Statements

Prevention	Employ good industrial hygiene practice Do not breathe dust
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
Storage	Keep in a dry place. Store away from incompatible materials.
Disposal	Disposal should be in accordance with applicable regional, national and local laws and regulations.

Additional Information: Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).

2.3. Other hazards No information available.

SECTION 3: Composition/information on ingredients

Pure substance/mixture Mixture

Chemical Name	CAS Number	TSCA: United States	EC No	REACH registration number	GHS Classification	Weight-%
Talc	14807-96-6	A	238-877-9	Exempt.	Not classified	75 - 90
Molybdenum zinc oxide	22914-58-5	A	245-322-4	01-212080 0481-68-0 000.	Hazardous to the aquatic environment - Chronic, category 1 <25% Not classified	10 - 25
Crystalline Silica, quartz (impurity)	14808-60-7	A	238-878-4	Exempt.	Not classified	<0.1

SECTION 4: First aid measures**4.1. Description of first aid measures**

Eye Contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Skin Contact	Wash with plenty of soap and water.
Ingestion	Rinse mouth thoroughly with water.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Aspiration hazard	Not an expected route of exposure.

4.2. Most important symptoms and effects, both acute and delayed Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. 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	Use extinguishing agent suitable for type of surrounding fire. Water spray (fog). Dry chemical. Foam. Carbon dioxide (CO2).
Unsuitable Extinguishing Media	Do not use water jetstream.

5.2. Special hazards arising from the substance or mixture Heating can release hazardous gases.

Hazardous Combustion Products None known

5.3. Advice for firefighters

Special protective equipment for firefighters Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-fighting measures Standard procedure for chemical fires.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures** Keep unauthorized personnel away. 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** Avoid runoff to waterways and sewers. Dispose of in accordance with federal, state and local regulations.
- 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** Minimize dust generation and accumulation. Ensure adequate ventilation. Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep container tightly closed and dry. Store away from incompatible materials. See section 10.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Talc

ACGIH
OSHA

TWA: 2 mg/m³ (respirable dust)
TWA: 20 mppcf

Molybdenum zinc oxide

India
ACGIH

TWA: Not established
TWA: 10 mg/m³ dust
0.5 mg/m³ Respirable fraction
TWA: 5 mg/m³ (respirable); 10 mg/m³ (dust)

OSHA

Issue Date: 25/Sep/2020
 Print Date: 25/Sep/2020

Revision Number: 1.5
 Page 5 of 10

	PEL: 5 mg/m ³ (respirable)
Crystalline Silica, quartz (impurity)	
ACGIH	TWA: 0.025 mg/m ³ respirable fraction
OSHA	TWA: 0.05 mg/m ³ OSHA Action level: 0.025 mg/m ³

Biological Limit Values: None

Recommended monitoring procedures Refer also to national guidance documents for information on currently recommended monitoring procedures

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

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 Wear suitable gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

Thermal hazards Wear suitable protective clothing.

Hygiene Measures Follow general hygiene considerations recognized as common good workplace practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Solid. Powder.
Color	White
Odor	Odorless
Odor Threshold	No information available
pH:	6.5
Melting Point / Melting Range	No information available

Issue Date: 25/Sep/2020
Print Date: 25/Sep/2020Revision Number: 1.5
Page 6 of 10

Boiling Point	No information available
Freezing Point	No information available
Flash Point:	No data available
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Vapor Pressure	No data available
Vapor Density	No data available
Solubility in other solvents	No information available
Water Solubility	Slightly soluble
Partition coefficient	No data available
Autoignition Temperature	No data available
Viscosity	No information available
Specific Gravity	2.8 (H ₂ O = 1)
Oxidizing Properties	Not applicable
VOC Content (%)	0%
Molecular Weight	Not available
Decomposition Temperature	No information available

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	None under normal processing
10.4. Conditions to avoid	Incompatible materials. Dust formation.
10.5. Incompatible materials	Strong oxidizing agents. Strong acids.
10.6. Hazardous decomposition products	None known

SECTION 11: Toxicological information

Issue Date: 25/Sep/2020
 Print Date: 25/Sep/2020

Revision Number: 1.5
 Page 7 of 10

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

Information on Likely Routes of Exposure

Inhalation	Do not breathe dust Inhalation of dust in high concentration may cause irritation of respiratory system
Skin	Contact with dust can cause mechanical irritation or drying of the skin
Eyes	Dust contact with the eyes can lead to mechanical irritation
Ingestion	Ingestion is not a likely route of exposure
Aspiration hazard	Not an expected route of exposure.

11.1. Information on toxicological effects

Molybdenum zinc oxide

Oral LD50 >10000 mg/kg Rat

Crystalline Silica, quartz (impurity)

Oral LD50 500 mg/kg Rat Mouse

ACGIH Group 2A - Probably Carcinogenic to Humans
IARC Group 1 - Carcinogenic to Humans

Acute Toxicity Avoid inhalation of dust. Product dust may be irritating to eyes, skin and respiratory system

Reproductive Toxicity No data available.

Carcinogenicity Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).

Target Organ Effects Respiratory system. Eyes. Skin.

Specific target organ toxicity - Single exposure No data available.

Specific target organ toxicity - Repeated exposure No data available.

SECTION 12: Ecological information

12.1. Ecotoxicity

Talc - 14807-96-6

WGK Classification (AwSV) 1315 WGK: nwg

Germany - Water Classification (AwSV) - Annex 1: 1315 not considered hazardous to water

Crystalline Silica, quartz (impurity) - 14808-60-7

Issue Date: 25/Sep/2020
Print Date: 25/Sep/2020

Revision Number: 1.5
Page 8 of 10

WGK Classification (AwSV) 849 WGK: nwg
Germany - Water Classification (AwSV) - Annex 1: 849:0

- 12.2. Persistence and degradability** Not readily biodegradable.
- 12.3. Bioaccumulative potential** No information available.
- Partition coefficient** No data available.
- Bioconcentration factor (BCF)** No data available.
- 12.4. Mobility in soil** No information available.
- 12.5. Results of PBT and vPvB assessment** This substance does not meet the criteria for classification as PBT or vPvB.
- 12.6. Other adverse effects** No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Contaminated Packaging** 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
- Disposal Methods** Dispose of waste product or used containers according to local regulations

SECTION 14: Transport information

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

- DOT** 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

Issue Date: 25/Sep/2020
 Print Date: 25/Sep/2020

Revision Number: 1.5
 Page 9 of 10

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	REACH registration number	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Talc	14807-96-6	238-877-9	Exempt	Y	Y	Y	(1)-468 (ENCS)(ISHL)	KE-32773	Y	Y	Y	Y	A
Molybdenum zinc oxide	22914-58-5	245-322-4	01-212080048 1-68-0000	Y: CAS 61583-60-6 (generics)	Y: DSL-229 14-58-5 NDSL: 61583-60-6	Y	(1)-781 (ENCS)(ISHL)	KE-11910 KE-25463	-	-	Y: 61583-60-6	Y	A
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Y	Y	Y	(1)-548(ENCS)(ISHL)	KE-29983	Y	Y	Y	Y	A

Legend

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

SECTION 16: Other information

Prepared by Huber Engineered Materials Global Regulatory Affairs
 email: regulatory.affairs@huber.com

Reason for Revision Globally Harmonized System (GHS).

GHS Classification This product is not classified as hazardous according to the UN GHS guideline and labeling is not required

Labeling

Symbols/Pictograms None

Signal Word None

Hazard Statements None

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

Abbreviations and acronyms International Agency for Research on Cancer (IARC)

HUBER

Safety Data Sheet

Kemgard® 1100

Issue Date: 25/Sep/2020

Print Date: 25/Sep/2020

Revision Number: 1.5

Page 10 of 10

International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
International Uniform Chemical Information Database (IUCLID)
Workplace Hazardous Materials Information System (WHMIS) status and classification
EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification
DOT (Department of Transportation)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
TWA - Time-Weighted Average
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)
The Classification, Labeling and Packaging of Substances and Mixtures (CLP) 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)
Reportable Quantity (RQ) (RQ/% in mixture)
STEL - Short Term Exposure Limit
TLV® - Threshold Limit Value
Derived No Effect Level (DNEL)
SVHC: Substances of Very High Concern for Authorization:
Land transport (ADR/RID)
Biochemical oxygen demand (BOD)
Chemical oxygen demand (COD)
ICAO (air)
(IMDG) International Maritime Dangerous Goods
Positive Pressure Self-Contained Breathing Apparatus (SCBA)
Predicted No Effect Concentration (PNEC)
Globally Harmonized System (GHS)

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