



Kemgard® 911C

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03
Canadian Workplace Hazardous Material Information System (WHMIS) 2015
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015
GHS (Globally Harmonized System)

Issue Date 10/Jan/2024
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Revision Number 1.5.3
Page 1 of 11

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

1.1. Product identifier

Product Name: Kemgard® 911C
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

Company: 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

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 Considered a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Physical Hazards Not classified

Health Hazards Specific target organ toxicity (STOT) - repeated exposure, category 2

Environmental Hazard Not classified

2.2. Label elements

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 2 of 11

Symbols/Pictograms

**Signal Word**

Warning

Hazard Statements

May cause damage to organs (kidney) through prolonged or repeated exposure

Precautionary Statements**Prevention**

Do not breathe dust
Do not handle until all safety precautions have been read and understood
Employ good industrial hygiene practice
Wear protective gloves/protective clothing/eye protection/face protection

Response

Get medical advice/attention if you feel unwell
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

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).

Hazards not otherwise classified None known.
(HNOC)

SECTION 3: Composition/information on ingredients

Pure substance/mixture

Mixture

Chemical Name	CAS Number	Weight-%
Talc	14807-96-6	75 - 90
Zinc Molybdenum Oxide	22914-58-5 61583-60-6	10 - 25
Crystalline Silica, quartz (impurity)	14808-60-7	<0.1

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 3 of 11

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.
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	Do not breathe dust. IF INHALED: Remove 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	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). 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.

5.3. Advice for firefighters

Special protective equipment for firefighters

Safety Data Sheet

Kemgard® 911C**Issue Date** 10/Jan/2024**Print Date** 17/Jan/2024**Revision Number** 1.5.3**Page** 4 of 11

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

Avoid dust formation. Ensure adequate ventilation. Use personal protection recommended in Section 8. Keep unauthorized personnel away.

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.

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. Minimize dust generation and accumulation. 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, including any incompatibilities

Keep container tightly closed and dry. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

Kemgard® 911C**Issue Date** 10/Jan/2024**Print Date** 17/Jan/2024**Revision Number** 1.5.3**Page** 5 of 11

Occupational exposure limits

Talc

OSHA	TWA: 20 mppcf
ACGIH	TWA: 2 mg/m ³ (respirable dust)
Canada - Ontario - OEL - TWA EVs	2 mg/m ³

Zinc Molybdenum Oxide

OSHA	TWA: 5 mg/m ³ (respirable); 10 mg/m ³ (dust)
	PEL: 5 mg/m ³ (respirable)
ACGIH	TWA: 10 mg/m ³ dust
	0.5 mg/m ³ Respirable fraction
NIOSH	TWA: 10 mg/m ³ 8-hour

Crystalline Silica, quartz (impurity)

OSHA	TWA: 0.05 mg/m ³
	OSHA Action level: 0.025 mg/m ³
ACGIH	TWA: 0.025 mg/m ³ respirable fraction
Canada	0.025 mg/m ³ TWA (respirable particulate)
Canada - British Columbia - OEL - Designated Substances	ACGIH Category A2 - Suspected Human Carcinogen
Canada - Ontario - OEL - TWA EVs	IARC Category 1 - Human Carcinogen
Canada - Manitoba - OEL - TWA	0.10 mg/m ³
Canada - Nova Scotia - OEL - TWA	0.025 mg/m ³ TWA (respirable fraction)
Canada - Prince Edward Island - OEL - TWA	0.025 mg/m ³ TWA (respirable fraction)
Mexico	0.025 mg/m ³ TWA (respirable fraction)
	Mexican Carcinogen Category: A2 (Suspected Human Carcinogen)
	TWA (VLE-PPT): 0.025 mg/m ³ .

PNEC (Predicted No Effect Concentration) No information available

DNEL (Derived No Effect Level) No information available

Biological Limit Values No information available

8.2. Exposure controls

Engineering Measures Provide a good standard of controlled ventilation (5 to 10 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 For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.
Thermal hazards None known. Wear suitable protective clothing.

Hygiene Measures Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc.

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 6 of 11

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:

Physical State	Solid Powder
Color	White
Odor	Odorless
Odor Threshold	No information available
pH:	6.5
Melting Point / Melting Range	No information available
Melting point / Freezing point	Not applicable
Initial boiling point	No information available
Boiling Point	No information available
Freezing Point	No information available
Flash Point	No data available
Evaporation Rate	Not applicable.
Flammability (solid, gas)	Not applicable
Upper flammability limit:	--
Lower flammability limit:	--
Vapor Pressure	No data available
Vapor Density	Not applicable
Vapor Density	No data available
Density	No data available
Relative Density	2.8 g/cm ³
Water Solubility	Slightly soluble
Solubility in other solvents	No information available
Partition coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No information available
Viscosity	No information available.
Kinematic viscosity	Not applicable
Oxidizing Properties	Not applicable
Particle Size	No information available
Molecular Weight	Not available
Molecular Weight	Not available
Specific Gravity	2.8 (H ₂ O = 1)
VOC Content (%)	0%

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

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 7 of 11

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

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

11.1. Information on toxicological effects

Talc

NTP (National Toxicology Program) male rat-some evidence; female rat-clear evidence; male mice-no evidence; female mice-no evidence

Zinc Molybdenum Oxide

Oral LD50 >10000 mg/kg Rat

IARC Not Listed

Specific target organ toxicity - Repeated exposure Kidney (based on tubular degeneration/regeneration of male Han Wistar rats at 125 mg/kg/day). NOAEL – 60 mg/kg Rat; Oral; 90-day.

Crystalline Silica, quartz (impurity)

LD50s and LC50s 500 mg/kg Oral LD50 Rat

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).

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 8 of 11

Target Organ Effects Skin. Eyes. Respiratory system.**Specific target organ toxicity - Single exposure** No data available.**Specific target organ toxicity - Repeated exposure** May cause damage to organs through prolonged or repeated exposure if inhaled. Kidney.**Information on Likely Routes of Exposure**

Inhalation	Avoid inhalation of the product
Ingestion	Ingestion is not a likely route of exposure
Skin	Prolonged or repeated contact may dry skin and cause irritation
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 properties** This product does not contain any known or suspected endocrine disruptors**11.2.2. Other information** Not applicable

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects Avoid release to the environment**Talc****WGK Classification (AwSV)** 1315 WGK: nwg**Crystalline Silica, quartz (impurity)****WGK Classification (AwSV)** 849 WGK: nwg**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.

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 9 of 11

12.5. Results of PBT and vPvB assessment This substance does not meet the criteria for classification as PBT or vPvB.

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

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

Talc

WGK Classification (AwSV) 1315 WGK: nwg

Crystalline Silica, quartz (impurity)

WGK Classification (AwSV) 849 WGK: nwg

SECTION 14: Transport information

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

TDG -Canada	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
ICAO	Not regulated

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 Not applicable

Safety Data Sheet

Kemgard® 911C

Issue Date 10/Jan/2024

Print Date 17/Jan/2024

Revision Number 1.5.3

Page 10 of 11

user

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

Global Inventories

Pure substance/mixture

Mixture

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
Talc	14807-96-6	238-877-9	Exempt	Y	Y	Y	(1)-468 (ENCS)(ISHL)	KE-32773	Y	Y	Y	Y	A
Zinc Molybdenum Oxide	22914-58-5 61583-60-6	245-322-4	01-212080 0481-68-000	N	Y	Y	(1)-781 (ENCS)(ISHL)	KE-11910	N	N	N	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

US Federal Regulations

EPA

Zinc Molybdenum Oxide

CERCLA

Listed

SARA 313

Listed

U.S. State Right-to-Know Regulations

Chemical Name	CAS Number	California Proposition 65	Massachusetts	Minnesota	New Jersey	Pennsylvania
Talc	14807-96-6	Y-Carcinogen	Y-Carcinogen	Y-Cancer	Y-1773-Carcinogen	Y
Zinc Molybdenum Oxide	22914-58-5 61583-60-6	N	Y	Y	Y	Y
Crystalline Silica, quartz (impurity)	14808-60-7	Y	Y	Y	sn 1660	Y

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product can expose you to crystalline silica, which is known to the State of California to cause cancer.

CANADA

WHMIS

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

Crystalline Silica, quartz (impurity)

Safety Data Sheet

Kemgard® 911C**Issue Date** 10/Jan/2024**Print Date** 17/Jan/2024**Revision Number** 1.5.3**Page 11 of 11**

H350; H372

SECTION 16: Other information

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Reason for Version	OSHA (Occupational Safety and Health Administration of the US Department of Labor).
Training Advice	Do not handle until all safety precautions have been read and understood
Abbreviations and acronyms	IARC (International Agency for Research on Cancer) IATA (International Air Transport Association) IMDG (International Maritime Dangerous Goods) IUCID (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) ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road) RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail) SCBA (Self-Contained Breathing Apparatus) Positive Pressure GHS (Globally Harmonized System) 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 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