

Safety Data Sheet

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
Globally Harmonized System (GHS)

XANTURAL® 75

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

1.1. Product identifier

Product Name: XANTURAL® 75

Pure substance/mixture: Substance

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

Recommended Use: Pharmaceuticals. Stabilizer. Thickening agent.

Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet

Company: CP Kelco U.S., Inc.
a Huber Company
3100 Cumberland Boulevard, Suite 600
Atlanta, GA 30339 USA
Tel: +1 800 535 2687

E-mail: customer.request@cpkelco.com

Internet: www.cpkelco.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

Physical Hazards: Not classified

Health Hazards: Not classified

Environmental Hazard: Not classified

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Combustible dusts.

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

2.2. Label elements

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Symbols/Pictograms None

Signal Word Warning

Hazard Statements May form combustible dust concentrations in air

Precautionary Statements

Prevention Employ good industrial hygiene practice
Do not handle until all safety precautions have been read and understood.
Do not breathe dust
Wear protective gloves/protective clothing/eye protection/face protection
Combustible dust may form combustible (explosive) dust-air mixtures
Take precautionary measures against static discharges

Response IF exposed or concerned: Get medical advice/attention
Wash with plenty of soap and water

Storage Store away from incompatible materials
Keep in a dry place

Disposal Dispose of contents/containers in accordance with local regulations

Hazards not otherwise classified (HNOC) COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUSTAIR MIXTURES. Slippery, can cause falls if walked on.

SECTION 3: Composition/information on ingredients
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Pure substance/mixture Substance

Chemical Name	CAS Number	TSCA: United States	Canada (DSL)	Mexico	REACH registration number	OSHA Regulatory Status	WHMIS	% by Wt
Xanthan gum	11138-66-2	Y	Y	Y	Exempt	Regulated Combustible dusts	--	--

Legend

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice 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 breathing is difficult, remove victim to fresh air and keep at

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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

General Advice

Treat as "Class A" fire. Product will burn when in contact with a flame. Self extinguishes when ignition source is removed. Tends to smoulder.

5.1. Extinguishing media**Suitable Extinguishing Media**

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

Unsuitable Extinguishing Media

None known.

5.2. Special hazards arising from the substance or mixture

Avoid dust formation.

Dust Explosion Hazard

Can contain sufficient fines to cause a combustible dust explosion.

Hazardous Combustion Products

Carbon dioxide
Carbon monoxide

5.3. Advice for firefighters**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. Combustible dust may form combustible (explosive) dust-air mixtures.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation. Keep unauthorized personnel away. Slippery, can cause falls if walked on. 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

Dispose of in accordance with federal, state and local regulations.

6.3. Methods and material for

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

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containment and cleaning up a vacuum to collect dust. Small Spill: Vacuum or sweep material and place in a disposal container. The use of water wash down is not recommended unless the spilled material is already wet.

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
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Use only non-sparking tools

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

Occupational exposure limits

OSHA *Dust: OSHA has not established specific exposure limits for this material. However, OSHA has established limits for particulates not otherwise regulated (PNOR) which are the least stringent exposure limits applicable to dusts.

Xanthan gum - 11138-66-2

OSHA	Not established
ACGIH	TWA: 0.1 mg/m ³

Predicted No Effect Concentration (PNEC) No information available

Derived No Effect Level (DNEL) 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).

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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.
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

Physical State	Solid.
Color	White to Tan
Odor	Odorless
Odor Threshold	No information available
pH:	Neutral solution (1 %)
Melting Point / Melting Range	Not applicable
Boiling Point	Not applicable
Freezing Point	Not applicable
Flash Point:	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Explosive Properties	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Water Solubility	Soluble
Partition coefficient	No information available
Autoignition Temperature	Not applicable
Viscosity	No data available
Specific Gravity	No data available
Oxidizing Properties	Not oxidizing
Decomposition Temperature	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity	None
10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	Hazardous polymerization does not occur
10.4. Conditions to avoid	Dust formation Keep away from heat, sparks and flame Strong oxidizing agents
10.6. Hazardous decomposition	None known

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products

SECTION 11: Toxicological information

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.
Skin	Not a skin sensitizer. Prolonged or repeated contact may dry skin and cause irritation.
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**Xanthan gum - 11138-66-2**

Oral LD50	> 5000 mg/kg Rat
Inhalation LC50	> 21 mg/l Rabbit

Acute Toxicity	Based on available data, the classification criteria are not met.
Chronic Effects	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory Sensitization	Based on available data, the classification criteria are not met.
Skin Corrosion/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	No data available.
Specific target organ toxicity - Repeated exposure	No data available.

SECTION 12: Ecological information

12.1. Ecotoxicity

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96-Hour LC50	Oncorhynchus mykiss (rainbow trout) 490 mg/l
48-Hour EC50	Daphnia Magna (Water Flea) 980 mg/l
BOD	BOD = ~200 mg O2/gram
COD	COD = ~1600 mg O2/gram
WGK Classification (VwVwS)	5156 WGK: 1

12.2. Persistence and degradability Readily biodegradable.

12.3. Bioaccumulative potential This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Partition coefficient Not available.

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data 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 None known

SECTION 13: Disposal considerations
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13.1. Waste treatment methods

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

Disposal Methods Dispose of waste product or used containers according to local regulations

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European Waste Catalog 160306

SECTION 14: Transport information
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Mode of Transportation (Road, Water, Air, Rail)

TDG -Canada	Not regulated
US DOT	Not regulated
ADR	Not regulated
RID	Not regulated
ADN	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
ICAO	Not regulated

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- 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

Pure substance/mixture Substance

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
Xanthan gum	11138-66-2	234-394-2	Exempt	Y	Y	Y	8-535(ENC S)(ISHL)	KE-35422	Y	Y	Y	Y	Y

Legend

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

US Federal Regulations

EPA

CERCLA

Not listed

CAA (Clean Air Act)

Not listed

CWA (Clean Water Act)

Not listed

U.S. State Right-to-Know Regulations

Chemical Name	California Proposition 65	Massachusetts	Minnesota	New Jersey	Pennsylvania
Xanthan gum	N	N	N	N	N

CANADA

WHMIS:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations

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(HPR) and the SDS contains all the information required by the HPR

SECTION 16: Other information

Prepared by	CP Kelco Global Regulatory Affairs Email: Regulatory.Affairs@cpkelco.com
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	<p>International Agency for Research on Cancer (IARC) 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)</p>
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