

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03
Canadian Workplace Hazardous Material Information System (WHMIS) 1988 & 2015
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015
Globally Harmonized System (GHS)

FINNFIX® HPB

Issue Date: 01/Jun/2015
Print Date: 12/Dec/2016

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

1.1. Product identifier

Product Name: FINNFIX® HPB
Chemical Name: Sodium Carboxymethylcellulose (NaCMC)

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

Recommended Use: Industrial. Thickening agent. Stabilizer.

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: OSHA Hazard: Warning: Combustible dust. Ensure appropriate electrical classification and avoidance of ignition sources in dusty environments.

Handle in a manner consistent with good industrial hygiene practices--avoid creating or inhaling aerosols of this or any other material.

2.2. Label elements

Symbols/Pictograms: None
Signal Word: Warning

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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) DUST/AIR MIXTURES. Contact with dust can cause mechanical irritation or drying of the skin. Slippery, can cause falls if walked on.

SECTION 3: Composition/information on ingredients

Chemical Name	CAS Number	TSCA: United States	Canada (DSL)	Mexico	REACH registration number	OSHA Regulatory Status	% by Wt
Sodium Carboxymethyl Cellulose	9004-32-4	Y	Y	Y	Exempt	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) Combustible dusts	--

Legend

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

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 rest in a position comfortable for breathing.

Aspiration hazard Based on available data, the classification criteria are not met.

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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). Foam. Dry chemical. Carbon dioxide (CO₂).

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. Do not breathe smoke, gases or vapors generated

Hazardous Combustion Products Carbon dioxide
Carbon monoxide
Smoke

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 Keep unauthorized personnel away. Ensure adequate ventilation. Avoid dust formation. Use only non-sparking tools. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). 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.

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. 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.

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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

Sodium Carboxymethyl Cellulose - 9004-32-4

OSHA	Not established Nuisance Dust. -- PEL 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
ACGIH	Not established Nuisance Dust. -- 10 mg/m ³ Dust 3 mg/m ³ (respirable fraction)

Predicted No Effect Concentration (PNEC) No information available

Biological Limit Values: No information available

Derived No Effect Level (DNEL) 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.

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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. Powder.
Color	White to off-white
Odor	Odorless
Odor Threshold	No information available
pH:	6.0 - 8.0 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)	
Upper	Unknown
Lower	min 125 g/m ³
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Density	~1.6 g/cm ³ (20 °C)
Bulk Density	400 - 880 kg/m ³
Water Solubility	Soluble
Partition coefficient	No information available
Oxidizing Properties	Not applicable
VOC Content (%)	Not applicable
Decomposition Temperature	240 °C

SECTION 10: Stability and reactivity

10.1. Reactivity None.

10.2. Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions No specific hazard known.

10.4. Conditions to avoid Dust formation. Keep away from heat, sparks and flame. Strong oxidizing agents.

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.

Information on Likely Routes of Exposure

Inhalation Do not breathe dust.

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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.
Symptoms	May cause respiratory tract irritation Repeated exposure may cause skin dryness or cracking Dust contact with the eyes can lead to mechanical irritation

11.1. Information on toxicological effects

Sodium Carboxymethyl Cellulose - 9004-32-4

Oral LD50	27000 mg/kg Rat 1600 mg/kg Guinea pig
Dermal LD50	>2000 mg/kg Rabbit
Inhalation LC50	>5800 mg/m ³ 4-hr Rat
Acute Toxicity	Based on available data, the classification criteria are not met.
Chronic 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.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive Effects	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.
Mixture versus substance information	Substance.

SECTION 12: Ecological information

12.1. Ecotoxicity Not considered to be harmful to aquatic life. Avoid release to the environment.

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96-Hour LC50	Fresh water trout: > 21,000 ppm Salt water stickle back: > 56,000 ppm
BOD	BOD7: approx 50-100 g O2/kg
COD	approx 900 g O2/kg

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

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

Sodium Carboxymethyl Cellulose - 9004-32-4

European Waste Catalog 160306

SECTION 14: Transport information

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

14.1. UN number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) None

14.4. Packing group None

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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	REACH registration number	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan	South Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Sodium Carboxymethyl Cellulose	9004-32-4	-	Exempt	Y	Y	Y	Y	KE-05354	Y	Y	Y	Y	Y

Legend

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

US Federal Regulations

EPA

CERCLA/SARA RQ

Not listed

CAA (Clean Air Act)

Not listed

CWA (Clean Water Act)

Not listed

U.S. State Right-to-Know Regulations

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

Not Listed

CANADA

WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

SECTION 16: Other information

Prepared by

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Reason for Version

OSHA (Occupational Safety and Health Administration of the US Department of Labor). May 25, 2012.

Training Advice

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

Abbreviations and acronyms

ACRONYMS: INTERNATIONAL:

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ADR: International Carriage of Dangerous Goods by Road.
BOD: Biochemical Oxygen Demand.
CLP: Classification, Labeling and Packaging.
COD: Chemical Oxygen Demand.
DN(M)EL : Derived Non(Minimum) Effect Level - PNEC : Predicted No Effect Level
D.O.T.: U.S. Department of Transportation.
ICAO International Civil Aviation Organization.
IATA: International Air Transport Association.
IARC: International Agency for Research on Cancer.
IMO: International Maritime Organization.
IMDG: International Maritime Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
OES: Occupational Exposure Standard.
OR: EU REACH Only Representative.
PPE: Personal protection equipment.
RID: International Carriage by Rail.
SCBA: self contained breathing apparatus.
STEL (Short Term Exposure Limit) SVHC: Substances of Very High Concern for Authorization
TLV-STEL: Threshold Limit Values - Short Term Exposure Limits.
TWA: Time Weighted Averages.
North America:
CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity.
CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980.
CONEG: Conference of North Eastern Governors.
NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration.
SARA: Superfund Amendments and Reauthorization Act (US EPA).
TDG: Canada Transport of Dangerous Goods.
WHMIS: Canada's Workplace Hazardous Materials Information System.

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