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## 29 CFR 1910.1200 (OSHA HazCom 2012)

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier	
Trade name	<ul> <li>Aqualon™ CMC 7L Sodium Carboxymethylcellulose</li> <li>™ Trademark, Ashland or its subsidiaries, registered in various countries</li> </ul>
Substance name	: HIGH PURITY SODIUM CARBOXYMETHYLCELLULOSE, SODIUM CMC, 98%
Substance No. EC-No.	: 618-378-6

## Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data	Emergency telephone number
sheet	1-800-ASHLAND (1-800-274-5263)
Ashland	
P.O. Box 2219	Regulatory Information Number
Columbus, OH 43216	1-800-325-3751
United States of America	
	Product Information
	614-790-3333
EHS Customer Requests@ashland.com	

## SECTION 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Hazard Statements	: May form combustible dust concentrations in air.
Signal Word	: Warning
GHS Label element	
Combustible Dust	:

None known.

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Substance
Chemical nature	: organic

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## Hazardous components

No hazardous ingredients

# **SECTION 4. FIRST AID MEASURES**

General advice	No hazards which require special first aid mea	sures.
If inhaled	If breathed in, move person into fresh air. If unconscious place in recovery position and s advice. If symptoms persist, call a physician.	eek medical
In case of skin contact	First aid is not normally required. However, it i recommended that exposed areas be cleaned with soap and water.	
In case of eye contact	Remove contact lenses. Protect unharmed eye.	
If swallowed	Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscio If symptoms persist, call a physician.	us person.
Most important symptoms and effects, both acute and delayed	No symptoms known or expected.	
Notes to physician	No hazards which require special first aid meas	sures.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate circumstances and the surrounding environment Water spray Foam	
Specific hazards during firefighting	Organic dusts at sufficient concentration can forr mixtures in air. Do not allow run-off from fire fighting to enter dra courses.	
Hazardous combustion products	carbon dioxide and carbon monoxide	
Specific extinguishing methods	Product is compatible with standard fire-fighting	agents.

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Further information : Standard procedure for chemical fires.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing dust. Material can create slippery conditions. Persons not wearing protective equipment should be from area of spill until clean-up has been completed	
Environmental precautions	Prevent further leakage or spillage if safe to do so.	
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.	
Other information	Comply with all applicable federal, state, and local re	egulations.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling	<ul> <li>Avoid dust formation.</li> <li>Ensure all equipment is electrically grounded and bonded before beginning transfer operations.</li> <li>The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>For personal protection see section 8.</li> <li>Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.</li> <li>For further guidance on prevention of dust explosions, refer to National Fire Protection Association (NFPA) 654: "Standard for the Prevention of Fire and Dust Explosions, from the</li> </ul>
	Manufacturing, Processing and Handling of Combustible Particulate Solids".
Conditions for safe storage	<ul> <li>No smoking. Electrical installations / working materials must comply with the technological safety standards.</li> </ul>
Materials to avoid	: No materials to be especially mentioned.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Engineering measures	: Provide appropriate exhaust ventilation at places where dust is formed. General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.
	Provide appropriate exhaust ventilation at places where dust is formed. General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.
Personal protective equipme	ht
Respiratory protection	: No personal respiratory protective equipment normally required.
Eye protection	: Safety glasses
Skin and body protection	<ul> <li>Wear as appropriate: Safety shoes</li> <li>Wear resistant gloves (consult your safety equipment supplier).</li> </ul>
Hygiene measures	: Avoid breathing dust.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder
Physical state	: solid
Colour	: off-white
Odour	: odourless
Odour Threshold	: No data available
рН	: 6.5 - 8.5, (as aqueous solution)

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Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: Combustible Dust
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 1.59 g/cm3
Bulk density	: 500 - 1,000 kg/m3
Solubility(ies) Water solubility	: soluble, Limited by viscosity
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Auto-ignition temperature	: 360 °C
Thermal decomposition	: No data available
Viscosity Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Viscosity, kinematic Oxidizing properties	<ul><li>No data available</li><li>No data available</li></ul>

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous	: Dust may form explosive mixture in air.

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#### reactions

Conditions to avoid :	UV light. Exposure to sunlight.
	Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials :	Acids Bases Oxidizing agents
Hazardous decomposition products	No hazardous decomposition products are known.

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation Skin contact Eye Contact IngestionInhalation Skin contact Eye Contact Ingestion	
Acute toxicity Not classified based on available information. Product:		
Acute inhalation toxicity	: LC 50 (Rat): > 5,800 mg/l	

# Skin corrosion/irritation

Acute dermal toxicity

Not classified based on available information. Serious eye damage/eye irritation Not classified based on available information. Product:

Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

: LD 50 (Rabbit): > 2,000 mg/kg

Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information. Germ cell mutagenicity Not classified based on available information. Carcinogenicity Not classified based on available information.

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#### **Reproductive toxicity** Not classified based on available information. STOT - single exposure Not classified based on available information. STOT - repeated exposure Not classified based on available information. Aspiration toxicity Not classified based on available information. Product: No aspiration toxicity classification **Further information** Product: Remarks: No data available Carcinogenicity: IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. **OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## SECTION 12. ECOLOGICAL INFORMATION

LC 50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test Type: static test
LC 50 (Lepomis macrochirus (Bluegill sunfish)): > 100 mg/l Exposure time: 96 h Test Type: static test
Remarks: Slowly biodegradable.

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## Mobility in soil

No data available

## Other adverse effects

No data available

## Product:

Additional ecological information

: No data available

# SECTION 13. DISPOSAL CONSIDERATIONS

## **Disposal methods**

General advice	:	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	:	Empty remaining contents.

## SECTION 14. TRANSPORT INFORMATION

## International transport regulations

#### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

## U.S. DOT - ROAD

Not dangerous goods	

## U.S. DOT - RAIL

Not dangerous goods

## U.S. DOT - INLAND WATERWAYS

Not dangerous goods

## TRANSPORT CANADA - ROAD

Not dangerous goods

## TRANSPORT CANADA - RAIL

Not dangerous goods

## TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

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#### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

## INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

# MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

no

Not dangerous goods

#### \*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

## SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards	:	Fire Hazard	
SARA 313 Component(s)SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
Pennsylvania Right To Know	/		
CELLULOSE		254504001-	90.00 -
		5918	100.00 %
New Jersey Right To Know		254504004	00.00
CELLULOSE		254504001- 5918	90.00 - 100.00 %
		3910	100.00 %
California Prop 65		Proposition 65 warnings are not required for this	product
		based on the results of a risk assessment.	
		t are reported in the following inventories:	
TSCA	:	On TSCA Inventory	
DSL	:	All components of this product are on the Canac	lian DSL.

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AUSTR	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECL	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

## Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TSCA (USA)

## SECTION 16. OTHER INFORMATION

#### Further information

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## Full text of H-Statements referred to under sections 2 and 3.

Sources of key data used to compile the Safety Data Sheet Ashland internal data including own and sponsored test reports The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the

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information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LČxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System