

**SAFETY DATA SHEET**

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : Aqualon™ CMC 7M8SF
Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered in
various countries

Substance name HIGH PURITY SODIUM CARBOXYMETHYLCELLULOSE,
SODIUM CMC, 99,5%

Substance No.
EC-No. 618-378-6

CAS-No. 9004-32-4

Relevant identified uses of the substance or mixture and uses advised against**Details of the supplier of the safety data sheet**

Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America (USA)
+1-905-336-6925

EHSPProductSafety@ashland.com

Emergency telephone number

1-800-ASHLAND (1-800-274-5263)

Regulatory information

1-614-790-3333

Product Information

+1-905-336-6925

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Combustible Dust :

GHS label elements

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

**SAFETY DATA SHEET**

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

Precautionary Statements : **Prevention:**
Keep dust/air mixtures away from ignition sources.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : organic

Hazardous components

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing 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 unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or Section 11.

Notes to physician : No hazards which require special first aid measures.

**SAFETY DATA SHEET**

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam

Water spray
- Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.
- Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Product is compatible with standard fire-fighting agents.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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 excluded from area of spill until clean-up has been completed.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- 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 regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid dust formation.



SAFETY DATA SHEET

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 419295

Ensure all equipment is electrically grounded and bonded before beginning transfer operations.
 The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres.
 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.
 Smoking, eating and drinking should be prohibited in the application area.
 For personal protection see section 8.

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 Manufacturing, Processing and Handling of Combustible Particulate Solids".

Conditions for safe storage : No smoking.
 Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : 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.

Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter within the capabilities of the respirator/filter combination.
 Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

SAFETY DATA SHEET

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

Hand protection

Material : butyl rubber
Break through time : 480 min
Glove thickness : > 0.5 mm

Remarks : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.

Skin and body protection : Wear chemical resistant clothing such as a permeation-resistant or chemical apron, gloves and boots whenever skin contact is possible.
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

Hygiene measures : Avoid breathing dust.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder
solid

Physical state : solid

Colour : off-white

Odour : odourless

Odour Threshold : Not applicable

pH : 6.5 - 8.5
(as aqueous solution)

Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : Not applicable



SAFETY DATA SHEET

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 419295

Evaporation rate	: Not applicable
Flammability (solid, gas)	: not determined
Upper explosion limit	: Upper explosion limit not determined
Lower explosion limit	: 60 g/m ³
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: 1.59 g/cm ³
Bulk density	: 500 - 1,000 kg/m ³
Solubility(ies)	
Water solubility	: soluble, Limited by viscosity
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: 360 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Oxidizing properties	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

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

**SAFETY DATA SHEET**

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

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 Carbon monoxide
Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

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.

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.

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

**SAFETY DATA SHEET**

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

Not classified based on available information.

Further information**Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

Persistence and degradability**Product:**

Biodegradability : Remarks: Inherently biodegradable.

No data available

Bioaccumulative potential

No data available

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**



SAFETY DATA SHEET

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 419295

REGULATION

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

U.S. DOT - ROAD

Not dangerous goods

CFR_RAIL_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_INWT_C

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MX_DG

Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

**SAFETY DATA SHEET**

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
™ Trademark, Ashland or its subsidiaries, registered
in various countries
419295

Marine pollutant

no

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**EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
METHANOL	67-56-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Combustible Dust

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

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.

**US State Regulations
Pennsylvania Right To Know**

CELLULOSE DERIVATIVE 254504001-5918

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

New Jersey Right To Know

CELLULOSE DERIVATIVE 254504001-5918

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

The components of this product are reported in the following inventories:



SAFETY DATA SHEET

Revision Date: 04/15/2020

Print Date: 11/24/2020

SDS Number: R0702840

Version: 1.5

Aqualon™ CMC 7M8SF Cellulose Gum
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 419295

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : 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

TCSI : On the inventory, or in compliance with the inventory

TSCA : On or in compliance with the active portion of the TSCA inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)
 - On or in compliance with the active portion of the TSCA inventory

SECTION 16. OTHER INFORMATION


Further information

Revision Date: 04/15/2020

NFPA:	HMIS III:						
<p>Flammability</p> <p>Health</p> <p>Instability</p> <p>Special hazard</p>	<table border="1"> <tr> <td>HEALTH</td><td>0/</td></tr> <tr> <td>FLAMMABILITY</td><td>1</td></tr> <tr> <td>PHYSICAL HAZARD</td><td>0</td></tr> </table> <p>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	HEALTH	0/	FLAMMABILITY	1	PHYSICAL HAZARD	0
HEALTH	0/						
FLAMMABILITY	1						
PHYSICAL HAZARD	0						

NFPA Flammable and Combustible Liquids Classification

Not applicable

		Page: 12
SAFETY DATA SHEET		Revision Date: 04/15/2020
		Print Date: 11/24/2020
		SDS Number: R0702840
Aqualon™ CMC 7M8SF Cellulose Gum ™ Trademark, Ashland or its subsidiaries, registered in various countries 419295		Version: 1.5


Full text of H-Statements

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
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).

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of
Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,
Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -
Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL -
Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS -
Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS -
Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -
Concentration associated with x% growth rate response; ERG - Emergency Response Guide;
GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous
Materials Identification System; IARC - International Agency for Research on Cancer; IATA -
International Air Transport Association; IBC - International Code for the Construction and
Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory
concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing
Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -
International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -
International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -
Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population
(Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from
Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA -
National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration;
NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate;
NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD -
Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety
and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS -
Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure

		Page: 13
SAFETY DATA SHEET		Revision Date: 04/15/2020
		Print Date: 11/24/2020
		SDS Number: R0702840
Aqualon™ CMC 7M8SF Cellulose Gum ™ Trademark, Ashland or its subsidiaries, registered in various countries 419295		Version: 1.5

Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative