

**SAFETY DATA SHEET**

Revision Date: 12/16/2021

Print Date: 02.25.2022

SDS Number: R0306601

Version: 4.0

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

425608

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

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

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

Substance No.  
CAS-No. 9004-32-4

**Relevant identified uses of the substance or mixture and uses advised against**

Recommended use : Rheology modifier

<b>Details of the supplier of the safety data sheet</b>  Ashland (China) Holdings Co., Ltd 2/F, Block D6. No.39 HongCao Road Shanghai 200233 China  亚什兰（中国）投资有限公司 虹漕路39号华鑫科技园D6座2楼 上海 200233 中国  EHSProductSafety@ashland.com	<b>Emergency telephone number</b> 0532 8388 9090  <b>Product Information</b> 021 60906606
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**2. HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

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

**Other hazards which do not result in classification**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance

**Hazardous components**

No hazardous ingredients

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**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.

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**5. FIREFIGHTING MEASURES**

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



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### Foam

Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.  
 Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
 Carbon monoxide

Specific extinguishing methods : Standard procedure for chemical fires.

Product is compatible with standard fire-fighting agents.

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

## 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.  
 Comply with all applicable federal, state, and local regulations.

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.

Prevention of secondary hazards : Comply with all applicable federal, state, and local regulations.

## 7. HANDLING AND STORAGE

### Handling

Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.  
 Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Avoid dust formation.  
 Ensure all equipment is electrically grounded and bonded

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before beginning transfer operations.

The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres.

Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8.

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.

Avoidance of contact : Acids  
Bases  
Oxidizing agents

**Storage**

Conditions for safe storage : No smoking.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : Keep in a dry place.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**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.

**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.

Hand protection

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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 : Safety glasses

Skin and body protection : Wear as appropriate:  
Safety shoes

Hygiene measures : Avoid breathing dust.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder  
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 determined  
Evaporation rate : Not applicable  
Flammability (solid, gas) : Combustible Dust  
Upper explosion limit : Upper explosion limit  
not determined  
Lower explosion limit : Lower explosion limit  
not determined  
Vapour pressure : Not applicable

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Relative vapour density	: Not applicable
Relative density	: No data available
Density	: < 1 g/cm <sup>3</sup>
Bulk density	: 550 - 1,000 kg/m <sup>3</sup>
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
Minimum ignition energy	: > 1,000 mJ

**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.
Conditions to avoid	: UV light. Exposure to sunlight.
	Keep away from heat, flame, sparks and other ignition sources.

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Incompatible materials : Acids  
Bases  
Oxidizing agents

Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)

**11. TOXICOLOGICAL INFORMATION**

Exposure routes : Inhalation, Skin contact, Eye contact, Ingestion

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : LD<sub>50</sub> (Rat): 27,000 mg/kg

Acute inhalation toxicity : LC<sub>50</sub> (Rat): > 5,800 mg/l  
Test atmosphere: dust/mist

Acute dermal toxicity : Assessment: Not classified as acutely toxic by dermal  
absorption under GHS.

**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**

Not classified based on available information.

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**Product:**

No aspiration toxicity classification

**Further information****Product:**

Remarks: No data available

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

Toxicity to fish

: LC50 (Oncorhynchus mykiss (rainbow trout)): &gt; 100 mg/l

Exposure time: 96 h

Test Type: static test

LC50 (Lepomis macrochirus (Bluegill sunfish)): &gt; 100 mg/l

Exposure time: 96 h

Test Type: static test

**Persistence and degradability****Product:**

Biodegradability

: Result: Inherently biodegradable.

Biodegradation: 10 %

Exposure time: 28 d

Method: OECD Test Guideline 301D

Remarks: Information given is based on data obtained from similar substances.

Result: Primary inherent biodegradable

Biodegradation: 27 %

Exposure time: 60 d

Method: OECD Test Guideline 301D

Remarks: Information given is based on data obtained from similar substances.

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



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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

General advice : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.

**14. TRANSPORT INFORMATION****International transport regulations****REGULATION**

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

**CN\_DG**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

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

Marine pollutant	no
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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.

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**15. REGULATORY INFORMATION****National regulatory information**

Regulations on the Control over Safety of Dangerous Chemicals (Decree No. 591 of the State Council of the People's Republic of China)

**List of dangerous goods (GB12268-2012)****Classification and code of dangerous goods (GB6944-2012)****Safety Data Sheet for chemical products – Content and order of sections (GB16483-2008)****General rule for classification and hazard communication of chemicals (GB13690-2009)****The components of this product are reported in the following inventories:**

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: 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
NZIoC	: On the inventory, or in compliance with the inventory

**Inventories**

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

**16. OTHER INFORMATION**

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**Further information**

Other information : This sds has been prepared by Ashland.  
 (<http://www.ashland.com>)

Sources of key data used to compile the Safety Data Sheet : Ashland internal data including own and sponsored test reports  
 European Union Law with content from the Official Journal of the European Union.  
 European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.  
 The German Water Hazard Classes.  
 ReachCentrum; a series of support services to help comply with REACH regulations.  
 The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.  
 The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.  
 Cefic, the European Chemical Industry Council.  
 ESIS European Chemical Substances Information System

Date format : yyyy/mm/dd

**Full text of H-Statements****Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse)



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Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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 Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECL - Thailand Existing Chemicals 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; WHMIS - 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.

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