MAX 1 Aqueous Extraction

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 07-10-2025 Revision date: 10-16-2025 Supersedes: 08-27-2025 Version: 3.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form	: Mixture
Trade name	: MAX 1 Aqueous Extraction
Type of product	: Food Safety -- [Food Safety]
Product code	: 8089

1.2. Other means of identification

Part Number(s) : 8089|8089G|91097|400000508|400000604|700003913

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Laboratory chemicals,Scientific research and development

1.4. Supplier's details

Manufacturer
Neogen Corporation
620 Lesher Place
Lansing, Michigan 48912
United States of America
T 800.234.5333
sds@neogen.com - https://www.neogen.com/

1.5. Emergency phone number

Emergency number : 24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS label elements, including precautionary statements

GHS CA labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)

Microcrystalline cellulose	Cellulose 402-2B / ABICEL / alpha cel PB 25 / alpha-cellulose / ALPHAPHLOC / ALPHONIER F / ARBOCEL / ARBOCEL B 400 / ARBOCEL B 600/30 / ARBOCEL B 820C / ARBOCEL BC 1000 / ARBOCEL BC 1000 R / ARBOCEL BC 200 / ARBOCEL BC 200 R / ARBOCEL BC 300 / ARBOCEL BE 600/10 / ARBOCEL BE 600/20 / ARBOCEL BE 600/30 / ARBOCEL BEM 400-15 / ARBOCEL BER 400 S / ARBOCEL BERC 300 P / ARBOCEL BVEC 200 / ARBOCEL BVS 400 / ARBOCEL BZNC 200 / ARBOCEL BZNC 200 Fine / ARBOCEL DC 1000 / ARBOCEL FD OO / ARBOCEL FIC 200 / ARBOCEL NV 600-30 / ARBOCEL TP 40 / ARBOCELL B 600/30 / AVICEL / AVICEL 101 / AVICEL 102 / AVICEL 2330 / AVICEL 2331 / AVICEL 955 / AVICEL CL 611 / AVICEL E 200 / AVICEL FD 100 / AVICEL FD 101 / AVICEL PH 101 / AVICEL PH	CAS-No.: 9004-34-6	≥ 10 – < 15	STOT SE 3, H335

	101/102 / AVICEL PH 102 / AVICEL PH 103 / AVICEL PH 105 / AVICEL PH 112 / AVICEL PH 113 / AVICEL PH 200 / AVICEL PH 301 / AVICEL PH 302 / AVICEL PH microcystalline cellulose / AVICEL PH-F 10 / AVICEL PH-M 06 / AVICEL PH-M 15 / AVICEL RC 591 / AVICEL SF / AVICEL SP / AVICEL TG 101 / AVICEL TG-D / baker-flex cellulose / BELLFINE D 10 / beta-amylose / CELISH / CELISH 100F / CELISH 100L / CELISH KY 100L / CELISH KY 100S / CELLEX MX / cellulose / cellulose 248 / cellulose crystalline avicel / cellulose flock / cellulose, crystalline / cellulose, microcrystalline / cellulose, powder / CELUFI / CEMIROM / CEPO / CEPO CFM / CEPO S 20 / CEPO S 40 / CF 11 / CHROMEDIA CC 31 / CHROMEDIA CF 11 / cotton linter pulp / crystalline cellulose / cupricellulose / DIACEL-4 / E 460 / ELCEMA F 150 / ELCEMA G 250 / ELCEMA P 050 /			

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	ELCEMA P 100 / flock-cellulose / FRESENIUS D 6 / HEWETEN 10 / HEWETEN 40 / hydroxycellulose / KINGCOT / LA 01 / MCC / microcrystalline cellulose / microcrystalline cellulose, MCC / MN-cellulose / ONOZUKA P 500 / polycellobiose / pyrocellulose / RAYOPHANE / RAYWEB Q / REXCEL / SIGMACELL / SOLKA-FIL / SOLKA-FLOC / SOLKA-FLOC BW / SOLKA-FLOC BW 100 / SOLKA-FLOC BW 20 / SOLKA-FLOC BW 200 / SOLKA-FLOC BW 2030 / SPARTOSE OM-22 / sulfite cellulose / TOMOFAN / TUNICIN / WHATMAN 41 / WHATMAN CC-31 / wood pulp / XUS 40511.00 experimental cellulose			

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

First-aid measures general : If you feel unwell, seek medical advice.

Personal protection for first-aid responders. : First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/effects after skin contact : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.

Symptoms/effects after ingestion : None under normal conditions.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Keep cool. Protect from sunlight.
Storage temperature	:	2 – 30 °C
Packaging materials	:	Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Microcrystalline cellulose (9004-34-6)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Cellulose (paper fibres)
VEMP (OEL TWAEV)	10 mg/m³ Td
Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³ Total dust 3 mg/m³ Respirable fraction
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³
Notations and remarks	NA URT irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³
Notations and remarks	TLV® Basis: URT irr

Microcrystalline cellulose (9004-34-6)	
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Cellulose (paper fibre)
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Cellulose (paper fibre)
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWAEV	10 mg/m³
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m³
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Cellulose (paper fibre)
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:
Wear recommended personal protective equipment.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Powder.
Color	:	White
Odor	:	Odorless Slight
Odor threshold	:	No data available
pH	:	7.8 – 8.25
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	Not applicable
Explosion limits	:	Not applicable
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
Incompatible materials	:	No additional information available
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

MAX 1 Aqueous Extraction	
Unknown acute toxicity (GHS CA)	85.86% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 85.86% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 85.86% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Microcrystalline cellulose (9004-34-6)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 6 mg/l (4 h, Rat, Inhalation)

Skin corrosion/irritation : Not classified.
pH: 7.8 – 8.25

Microcrystalline cellulose (9004-34-6)	
pH	5 – 7 (11 %)

Serious eye damage/irritation : Not classified
pH: 7.8 – 8.25

Microcrystalline cellulose (9004-34-6)	
pH	5 – 7 (11 %)

Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified

Microcrystalline cellulose (9004-34-6)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

MAX 1 Aqueous Extraction	
Viscosity, kinematic	Not applicable

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/effects after skin contact : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.
Symptoms/effects after ingestion : None under normal conditions.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

Microcrystalline cellulose (9004-34-6)	
LC50 - Fish [1]	> 100 mg/l (Pisces)
EC50 - Crustacea [1]	> 100 mg/l (Invertebrata)

12.2. Persistence and degradability

MAX 1 Aqueous Extraction	
Persistence and degradability	Not rapidly degradable

Microcrystalline cellulose (9004-34-6)	
Persistence and degradability	Biodegradable in water.

12.3. Bioaccumulative potential

Microcrystalline cellulose (9004-34-6)	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN Number			
Not regulated for transport			
14.2. UN Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group, if applicable			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

TDG
Not regulated

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78[9] and the IBC Code[10]

Not applicable

SECTION 15 Regulatory information

Microcrystalline cellulose (9004-34-6)	
Listed on the Canadian DSL (Domestic Substances List)	
Canada DSL & NDSL Flags	Significant New Activity (SNAc) provisions of the Act apply

Microcrystalline cellulose (9004-34-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active **Listed on INSQ (Mexican National Inventory of Chemical Substances)**

SECTION 16 Other Information

Issue date : 07-10-2025
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Supersedes : 08-27-2025

Full text of hazard classes and H-statements:	
H335	May cause respiratory irritation

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.