

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6367 Methocel™ A4M

Page 1

Revised edition: 16.10.2018

Version: 3.2

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### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Methocel™ A4M

*Article No.:* O6367

*UFI:* --

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*Thickener  
Binding agent, film former  
Process materials*

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Interlabshop BV

*Address:* Lage Brink 23, 7317BD Apeldoorn The Netherlands

*Tel./Fax.:*

+31(0)55-5215016

*Internet:*

www.labshop.nl

*EMail:*

labshop@labshop.nl

*Importer:*

#### 1.4. Emergency No.

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*Emergency No.:* 112 (24 hours a day)

#### 1.4.2 Poison Center:

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### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Hazard designation:*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

*Slipping hazard.*

next page: 2

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6367 Methocel™ A4M

Page 2

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

---

*Dust can form explosive mixtures with air.*

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### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Cellulose, methyl ether

*Information on Components / Hazardous Ingredients:*

Methyl cellulose	90 - 98 %	CAS-Nr: 9004-67-5 EINECS-Nr: EC-Nr:
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Sodium chloride	< 2 %	CAS-Nr: 7647-14-5 EINECS-Nr: EC-Nr:
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*Additional information:*

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### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Take affected persons out into the fresh air.*

*After inhalation:*

*No special measures required.*

*After skin contact:*

*Wash off with plenty of water.*

*After eye contact:*

*Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Should irritation continue, seek medical advice.*

*After ingestion:*

*No special measures required.*

#### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

#### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*CO2, extinguishing powder, water jet.*

*Unsuitable extinguishing media:*

*Water with full jet.*

**O6367 Methocel™ A4M**

Page 3

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

---

**5.2. Special Hazards arising from the Substance or Mixture***Special hazards:*

*In case of fire: formation of carbon oxides and smoke.  
Dust can form explosive mixtures with air.*

**5.3. Advice for Firefighters***Protective equipment:*

*Wear suitable protective clothing.  
Wear positive pressure self-contained breathing apparatus (SCBA).*

*Further information:*

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**6. Accidental Release Measures****6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:*

*Wear protective clothing.  
Keep unprotected persons out of danger zone.  
Together with water product causes slippery surfaces.*

**6.2. Environmental Precautions***Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

**6.3. Methods and Material for Containment and Cleaning Up***Methods and material:*

*Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.  
Do not use water or other watery cleaning fluids.*

**6.4. Reference to other Sections**

*See Section 13 for information on disposal.*

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**7. Handling and Storage****7.1. Precautions for Safe Handling***Instructions on safe handling:*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*Hygienic measures:***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:*

*Store in closed container and keep product dry.  
Store between 5 - 35°C.*

*Requirements for storage areas and containers:**Information on fire and explosion protection:*

*Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.*

*Storage class:*

next page: 4

**O6367 Methocel™ A4M**

Page 4

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

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*Further Information:***7.3. Specific End Use(s)***Further information:*

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**8. Exposure Controls/Personal Protection****8.1. Parameters to be Controlled***Parameters to be controlled (DE):**TLV: 10 mg/m3 inhalable fraction (general dust limit)**Parameters to be controlled:**Derived No-Effect Level (DNEL):**Predicted No-Effect Concentration (PNEC):**Additional Information:***8.2. Exposure Controls***Technical protective measures:**Use local exhaust ventilation in case of dust and/or fume formation.**Provide adequate ventilation.**Personal Protection**General protective measures:**Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.**Respiratory protection:**None required under normal operating conditions.**If exposure limit is exceeded: dust mask with particle filter P2 (for solid and liquid particles DIN 3181).**Hand protection:**Not required**Protective glove material:**Eye protection:**Safety glasses with protective shields (EN 166).**Body protection:**Not required.**Environmental precautions:*

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**9. Physical and Chemical Properties****9.1. Information on Basic Physical and Chemical Properties***Form: powder**Color: whitish**Odor: odorless**Odor threshold:  
not determined*

next page: 5

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6367 Methocel™ A4M

Page 5

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

---

<i>pH-Value:</i>	5 - 8
<i>Melting temperature:</i>	The substance / product decomposes.
<i>Boiling temperature:</i>	not applicable
<i>Flash point:</i>	not applicable
<i>Evaporation rate:</i>	not applicable
<i>Flammability (solid, gas):</i>	not available
<i>Upper explosion limit:</i>	not determined
<i>Lower explosion limit:</i>	not determined
<i>Vapor pressure:</i>	not applicable
<i>Vapor density:</i>	No information available.
<i>Density:</i>	1.3 (H2O=1)
<i>Solubility in water:</i>	soluble
<i>Coefficient of variation (n-Octanol/Water):</i>	no information available
<i>Auto-ignition temperature:</i>	170°C (338°F)
<i>Decomposition temperature:</i>	140°C (284°F) Decomposes when heated.
<i>Viscosity, dynamic:</i>	not applicable
<i>Explosive properties:</i>	Product is not explosive; however, an explosive dust/air mixture can be formed.
<i>Oxidizing properties:</i>	no information available

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

next page: 6

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6367 Methocel™ A4M

Page 6

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

---

*Solid content:*

*Particle size:*

*Other information:*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Thermal decomposition is possible at increased temperatures.*

#### 10.3. Possibility of Hazardous Reactions

*Hazardous polymerisation will not occur.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid temperatures above 130°C (266°F).*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*Strong acids, bases and oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral: > 10000 mg/kg (rat)*

*LD50, dermal:*

*No adverse effects expected.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating*

*Irritant effect on eyes:*

*Non-irritating to eyes  
Product dust may injure the cornea.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6367      Methocel™ A4M

Page 7

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

---

*Similar cellulose products were negative in both in vitro and animal genetic toxicity studies.*

*Reproductive toxicity:*

*In animal studies, a similar cellulosic has been shown not to interfere with reproduction.*

*Carcinogenicity:*

*Similar cellulose products did not cause cancer in long-term studies.*

*Teratogenicity:*

*Similar cellulose products did not cause birth defects or other toxic effects to the fetus in laboratory animal studies.*

*Specific target organ toxicity (STOT):*

*Single exposure: no information available.*

*Repeated exposure: repeated ingestion of similar cellulose products by humans has not resulted in known significant adverse effects.*

*Additional toxicological information:*

*Animal studies did not cause any birth defects or other toxic effects with similar cellulose products.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*Not readily biodegradable.*

### 12.3. Bioaccumulation

*No bioaccumulation is expected because of the relatively high molecular weight (MW greater than 1000).*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*No data available.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*1 (German Regulation) (Assessment by list): slightly hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*No special effects or hazards known.*

*AOX Value:*

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**O6367      Methocel™ A4M**

Page 8

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

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**13. Disposal Considerations****13.1. Waste Treatment Methods***Product:**Dispose of according to official national and local regulations.**European Waste Code (EWC):**Uncleaned packaging:**Waste Code No.:*

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**14. Transport Information****14.1. UN Number***ADR, IMDG, IATA***14.2. UN Proper Shipping Name***ADR/RID:**No hazardous goods according to ADR / DOT (US) (land transportation).**IMDG/IATA:**Not hazardous goods***14.3. Transport Hazard Classes***ADR Class:**not applicable**Hazard no.:**Classification code:**Tunnel restriction code:**IMDG Class (sea):**not applicable**Hazard no.:**EmS No.:**IATA Class:**not applicable**Hazard no.:***14.4. Packaging Group***ADR/RID:**not applicable**IMDG:**IATA:***14.5. Environmental Hazards***Not classified as environmentally hazardous.***14.6. Special Precautions for User***Not classified as a dangerous good under transport regulations.*

next page: 9

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6367 Methocel™ A4M

Page 9

Revised edition: 16.10.2018

Version: 3.2

Printed: 29.08.2022

---

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code  
*not applicable*

14.8. Further Information

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### 15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*1, slightly hazardous for water (German Regulation, Assessment by list)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

15.2. Chemical Safety Assessment

*No information available.*

15.3. Further Information

*TSCA (USA): All components of this product are either listed under the U.S. Toxic Substance Control Act (TSCA) Chemical Inventory or are otherwise compliant with TSCA regulations.*

*California Proposition (Safe Drinking Water and Toxic Enforcement Act of 1986): This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.*

*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.*

*OSHA: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200: Combustible dust*

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16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*