SAFETY DATA SHEET
WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Product number 52257

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Thickener Binder Film Former Processing aid.

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
SDS.EMEA@univarsolutions.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 52257

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains GLYOXAL...%. May produce an allergic reaction.

Supplemental label information EUH210 Safety data sheet available on request.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Dust may form explosive mixture with air. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

METHYL HYDROXYETHYL CELLULOSE (HEMC) **>90.0%**

CAS number: 9032-42-2

Polymer
Acute Toxicity Estimate (oral):> 2000 mg/kg

Classification
Not Classified

WATER **>=1.0 - <=7.0%**

CAS number: 7732-18-5 EC number: 231-791-2

Classification
Not Classified

SODIUM CHLORIDE **>=0.5 - <=3.0%**

CAS number: 7647-14-5 EC number: 231-598-3

Acute Toxicity Estimate (oral):3500 mg/kg
Acute Toxicity Estimate (dermal):> 10000 mg/kg
Acute Toxicity Estimate (inhalation):> 42 mg/l1 hourDust/Mist

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Wear protective clothing as described in Section 8 of this safety data sheet.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact The product contains a small amount of sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically. If in doubt, get medical attention promptly.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Water spray, fog or mist. Dry chemicals. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards When heated and in case of fire, toxic vapours/gases may be formed. Avoid generation and spreading of dust. Dust may form explosive mixture with air. Earth container and transfer equipment to eliminate sparks from static electricity. Take precautionary measures against static discharges.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

5.3. Advice for firefighters

Protective actions during firefighting No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water. Dust may form explosive mixture with air. Evacuate area.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Evacuate area. Keep unnecessary and unprotected personnel away from the spillage. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid generation and spreading of dust. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Do not flush away residues with water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Observe good chemical hygiene practices. Dust may form explosive mixture with air. Avoid handling which leads to dust formation. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid heat, flames and other sources of ignition. Store away from incompatible materials (see Section 10). Store away from the following materials: Strong acids. Strong alkalis. Oxidising materials.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

METHYL HYDROXYETHYL CELLULOSE (HEMC) (CAS: 9032-42-2)

Ingredient comments No exposure limits known for ingredient(s).

SODIUM CHLORIDE (CAS: 7647-14-5)

Ingredient comments No exposure limits known for ingredient(s).

DNEL
Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day
Workers - Inhalation; Short term systemic effects: 2068.62 mg/m³
Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day
Workers - Inhalation; Long term systemic effects: 2068.62 mg/m³
General population - Dermal; Short term systemic effects: 126.65 mg/kg/day
General population - Inhalation; Short term systemic effects: 443.28 mg/m³
General population - Oral; Short term systemic effects: 126.65 mg/kg/day
General population - Oral; Long term systemic effects: 126.65 mg/kg/day
General population - Inhalation; Long term systemic effects: 443.28 mg/m³
General population - Dermal; Long term systemic effects: 126.65 mg/kg/day

PNEC
Fresh water; 5 mg/l
Soil; 4.86 mg/kg
STP; 500 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure.

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Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. Particulate filter, type P2. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder. Granules.
Colour	White/off-white.
Odour	Odourless.
Odour threshold	Does not apply, as product is odourless.
pH	pH (diluted solution): 5 - 8
Melting point	No information available.
Pour Point	No information available.
Freezing Point	Solid
Initial boiling point and range	Not applicable. Solid
Flash point	Not applicable. Solid
Evaporation rate	Not applicable. Solid
Evaporation factor	No information available.
Flammability (solid, gas)	May form combustible dust concentrations in air.
Upper/lower flammability or explosive limits	Not applicable. Solid
Other flammability	No information available.
Vapour pressure	Solid
Vapour density	Not applicable. Solid
Relative density	1.3

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Bulk density	No information available.
Solubility(ies)	Slightly soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	140°C
Viscosity	Solid
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information available.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Dust may form explosive mixture with air. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	Keep at temperature not exceeding 130°C. Avoid excessive heat for prolonged periods of time. Take precautionary measures against static discharges.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Acute toxicity - oral

Notes (oral LD_{50}) This product has low toxicity. This information is based on test data from similar products LD_{50} > 10000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) Not determined. Information given is applicable to the major ingredient. LD_{50} > 2000 mg/kg, Dermal, Estimated value.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Not determined.

Skin corrosion/irritation

Skin corrosion/irritation This information is based on test data from similar products Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Solid particles trapped behind the eyelid may cause abrasive damage.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity - development No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended. The product contains a small amount of sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Toxicological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) Not determined.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Not determined.

Skin corrosion/irritation

Animal data Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Genotoxicity - in vivo This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity This information is based on test data from similar products No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Reproductive toxicity - fertility This information is based on test data from similar products No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development This information is based on test data from similar products No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure This information is based on test data from similar products Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Inhalation	Dust in high concentrations may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Solid particles trapped behind the eyelid may cause abrasive damage.

SODIUM CHLORIDE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,500.0
Species	Rat
ATE oral (mg/kg)	3,500.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 10000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC_{50} (1h) >42 mg/l, Dust/Mist, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation	Prolonged skin contact may cause redness and irritation.

Serious eye damage/irritation

Serious eye damage/irritation	May be slightly irritating to eyes.

Respiratory sensitisation

Respiratory sensitisation	Not sensitising.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Toxicokinetics The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

SODIUM CHLORIDE

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity There are no data on the ecotoxicity of this product.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Toxicity Not considered toxic to fish.

SODIUM CHLORIDE

Toxicity Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: 6750 mg/l, Fish
LC_{50}, 96 hour: 5840 mg/l, Lepomis macrochirus (Bluegill)
OECD 203
LC_{50}, 96 hour: 10610 mg/l, Pimephales promelas (Fat-head Minnow)
OECD 203
NOEC, 7 day: 4000 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 2024 - 4136 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	IC_{50}, 72 hours: 3014 mg/l, Algae
Acute toxicity - microorganisms	IC_{50}, : > 1000 mg/l, Activated sludge OECD 209

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	LOEC, 21 day: 441 mg/l, Freshwater invertebrates Daphnia pulex NOEC, 21 day: 314 mg/l, Freshwater invertebrates Daphnia pulex

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Persistence and degradability	The product is not readily biodegradable.
Biodegradation	- Degradation 0%: 28 day OECD 301E - Degradation 11%: 28 day OECD 302B

SODIUM CHLORIDE

Persistence and degradability	Substance is inorganic.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.

SODIUM CHLORIDE

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	log Pow: -3

12.4. Mobility in soil

Mobility Slightly soluble in water.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Mobility	No information available.

SODIUM CHLORIDE

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

SODIUM CHLORIDE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Ecological information on ingredients.

METHYL HYDROXYETHYL CELLULOSE (HEMC)

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SODIUM CHLORIDE

Other adverse effects The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
cATpE: Converted Acute Toxicity Point Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
EC_{50}: 50% of maximal Effective Concentration.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
LOEC: Lowest Observed Effect Concentration.
DMEL: Derived Minimal Effect Level.
EL50: Exposure Limit 50
hPa: Hectopascal
LL50: Lethal Loading fifty
OECD: Organisation for Economic Co-operation and Development
POW: Octanol-water partition coefficient
SCBA: self-contained breathing apparatus
STP: Sewage Treatment Plant
VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Classification procedures according to Regulation (EC) 1272/2008

Not classified.: Calculation method. EUH208: Calculation method.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

21/01/2023

WALOCEL MW 6000 PFV METHYL HYDROXYETHYL CELLULOSE

Version number	3.000
Supersedes date	08/08/2019
SDS number	52257
SDS status	Approved.
Hazard statements in full	EUH208 Contains GLYOXAL...%. May produce an allergic reaction.
Signature	Lisa Bland