



MPM GreenCleaner

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 11.05.2023 Revision date: 11.05.2023 version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : MPM GreenCleaner
UFI : D0TE-6UU2-520X-RWFG
Product code : 99000
Type of product : Soap-based cleaner
Vaporizer : Spray
Product group : Mixture

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

1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use, Consumer use
Industrial/Professional use spec : Non-dispersive use
Use of the substance/mixture : Cleaning/washing agents and additives
Degreaser.
Function or use category : Cleaning/washing agents and additives, Foaming agents

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer

MPM International Oil Company BV
Cyclotronweg 1
2629 HN Delft - Nederland
T +31 (0)15 2514030
info@mpmoil.com - www.mpmoil.com

1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-butoxypropan-2-ol ⁽¹⁾	CAS-No.: 5131-66-8 EC-No.: 225-878-4 EC Index-No.: 603-052-00-8	$\geq 2,5 - < 10$	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alcohols, C10-16, ethoxylated propoxylated ⁽¹⁾	CAS-No.: 69227-22-1	$\geq 2,5 - < 10$	Eye Irrit. 2, H319

Comments : ⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General	: In all cases of doubt, or when symptoms persist, seek medical attention. If possible show this sheet, if not available show packaging or label.
After inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Take victim to fresh air, in a quiet place and if necessary take medical advice.
After skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use. Take off contaminated clothing and wash it before reuse. Wash skin with mild soap and water. If skin irritation occurs: Get medical advice/attention.
After eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye contact, immediately rinse with clean water for 10-15 minutes. If irritation persists, consult a specialist.
After ingestion	: Do NOT induce vomiting. Vomiting: prevent asphyxia/aspiration pneumonia. If swallowed, rinse mouth with water (only if the person is conscious).

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

Symptoms/effects : Acute and delayed effects are indicated in sections 2 and 11.

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

Not applicable.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder.
Unsuitable extinguishing media : Not applicable.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Decomposition products may be a hazard to health.

5.3. Advice for firefighters

Protection during firefighting : Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Other information : Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.
Emergency procedures : Refer to chapter 8.

6.1.2. For emergency responders

No additional information available.

6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

For containment : Impound and recover large spill by mixing it with inert granular solids. Do not absorb in sawdust or other combustible absorbents.

6.4. Reference to other sections

See Section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Handling temperature : < 30 °C

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a closed container.

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Storage conditions	: Recommended storage temperature is from +5 °C to +30 °C. The liquid may freeze if stored outside. Keep cool. Protect from sunlight.
Storage temperature	: ≤ 30 °C
Heat and ignition sources	: Take precautionary measures against static discharge during blending and transfer operations. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Store in dry, well-ventilated area.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available.

8.1.2. Recommended monitoring procedures

No additional information available.

8.1.3. Air contaminants formed

No additional information available.

8.1.4. DNEL and PNEC

No additional information available.

8.1.5. Control banding

No additional information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Wear security glasses which protect from splashes

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses with side shields	Use splash goggles when eye contact due to splashing is possible	With side shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:

Protective clothing. Anti-slip work shoes

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Skin and body protection	
Type	Standard
protective clothing	EN ISO 6529, EN ISO 6530
Anti-slip work shoes	EN ISO 20347

8.2.2.3. Respiratory protection

No additional information available.

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Under EU environmental protection legislation, it is recommended to avoid the release of both the product and its packaging into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.
Colour	: Green.
Appearance	: Fluid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 102 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C (Does not sustain combustion)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: ≥ 10,4 – ≤ 11,4
Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Log Kow	: Not available
Vapour pressure	: 2333 Pa @ 20 °C
Vapour pressure at 50°C	: Not available
Density	: 985 (980 – 1000) kg/m³ @ 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

VOC content : 48,85 g/l 4.93% weight

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Other properties : Average carbonnumber 7
Additional information : Average molecular mass 132.2 g/mol

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under normal use.

10.5. Incompatible materials

Acids and bases. Alkanolamines.

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met.)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met.)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met.)

3-butoxypropan-2-ol⁽¹⁾ (5131-66-8)

LD50 oral rat	3771 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 20 mg/l/4h
ATE CLP (oral)	3771 mg/kg bodyweight

Alcohols, C10-16, ethoxylated propoxylated⁽¹⁾ (69227-22-1)

LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 20 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met.)
pH: $\geq 10,4 - \leq 11,4$
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met.)
pH: $\geq 10,4 - \leq 11,4$
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met.)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met.)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met.)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met.)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

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Vaporizer

Spray

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

3-butoxypropan-2-ol⁽¹⁾ (5131-66-8)

LC50 fish 1 560 mg/l @ 96h (Poecilia reticulata)

EC50 Daphnia 1 1436 mg/l @ 48h (Daphnia magna)

Alcohols, C10-16, ethoxylated propoxylated⁽¹⁾ (69227-22-1)

LC50 fish 1 0,32 mg/l

EC50 96h - Algae [1] 0,56 mg/l

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

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Soil Prevent soil and water pollution.

Alcohols, C10-16, ethoxylated propoxylated⁽¹⁾ (69227-22-1)

Mobility in soil 3882

12.5. Results of PBT and vPvB assessment

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PBT: not relevant – no registration required

vPvB: not relevant – no registration required

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The product does not contain any substances with endocrine disrupting properties.

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12.7. Other adverse effects

Other adverse effects : No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Sewage disposal recommendations : Do not discharge into drains or the environment.
Additional information : This material and its container must be disposed of in a safe way, and as per local legislation.
European List of Waste (LoW, EC 2000/532) : 20 01 30 - detergents other than those mentioned in 20 01 29

SECTION 14: Transport information

In accordance with ADR / IMDG

14.1. UN number or ID number

UN-No. : Not regulated
UN-No. (IMDG) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

14.4. Packing group

Packing group (ADR) : Not regulated
Packing group (IMDG) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

VOC content : 48,85 g/l 4.93% weight

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out by the registrant

SECTION 16: Other information

Full text of H- and EUH-statements

EUH210	Safety data sheet available on request.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H319	Causes serious eye irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

SDS MPM REACH

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.