

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 1 of 9

Revision date: 04.15.2021

PK Pretreatment

SECTION 1: Identification

Product identifier

Product name: PK Pretreatment

Product code: Pre-1 - Pre-5

Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

Poloplaz

1 Paradise Park Road

Jacksonville, AR 72076

501-985-1172

www.poloplaz.com

Emergency telephone number:

United States

Infotrac

1-800-535-5053 (24/7)

SECTION 2: Hazard(s) identification

GHS classification: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	<10
CAS number: 6542-37-6	1H,3H,5H-oxazolo[3,4-c]oxazole-7a(7H)-methanol	<0.1
CAS number: 59720-42-2	Methanol, 1H,3H,5H-oxazolo[3,4-c]oxazol-7a(7H)-ylmethoxy-(9CI)	<0.1
CAS number: 56709-13-8	Poly(oxymethylene), a-(1H,3H,5H-oxazolo[3,4-c]oxazol-7a(7H)-ylmethyl)-w-hydroxy-	<0.01

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 2 of 9

Revision date: 04.15.2021

PK Pretreatment

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Not determined or not applicable.

After skin contact:

Not determined or not applicable.

After eye contact:

Not determined or not applicable.

After swallowing:

Not determined or not applicable.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Not determined or not applicable.

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Not determined or not applicable.

Special protective equipment for firefighters:

Not determined or not applicable.

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Not determined or not applicable.

Environmental precautions:

Not determined or not applicable.

Methods and material for containment and cleaning up:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 3 of 9

Revision date: 04.15.2021

PK Pretreatment

Not determined or not applicable.

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Not determined or not applicable.

Conditions for safe storage, including any incompatibilities:

Not determined or not applicable.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 360 mg/m ³
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 100 ppm
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 540 mg/m ³
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 150 ppm
ACGIH	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 50 ppm
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 100 ppm
United States(California)	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 100 ppm (360 mg/m ³)
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 150 ppm (540 mg/m ³)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Not determined or not applicable.

Personal protection equipment

Eye and face protection:

Not determined or not applicable.

Skin and body protection:

Not determined or not applicable.

Respiratory protection:

Not determined or not applicable.

General hygienic measures:

Not determined or not applicable.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 4 of 9

Revision date: 04.15.2021

PK Pretreatment

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	liquid
Odor	Vinegar like
Odor threshold	Not determined or not available.
pH	3 - 5
Melting point/freezing point	Not Applicable
Initial boiling point/range	110 °C
Flash point (closed cup)	> 93 °C
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	0.98 +/- 0.02
Relative density	Not determined or not available.
Solubilities	Complete
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 5 of 9

Revision date: 04.15.2021

PK Pretreatment

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >15800 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
1-methoxy-2-propanol monopropylene glycol methyl ether	Not Applicable

National Toxicology Program (NTP):

Name	Classification
1-methoxy-2-propanol monopropylene glycol methyl ether	Not Applicable

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 6 of 9

Revision date: 04.15.2021

PK Pretreatment

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	LC50 <i>Leuciscus idus</i> : 6812 mg/L (96 h)
	EC50 <i>Daphnia magna</i> : 23300 mg/L (48 h)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	EC50 <i>Pseudokirchneriella subcapitata</i> : >1000 mg/L (7 d)

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 7 of 9

Revision date: 04.15.2021

PK Pretreatment

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	Readily biodegradable in water.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	Not expected to bioaccumulate (log Kow = -0.490).

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
1-methoxy-2-propanol monopropylene glycol methyl ether	Adsorption/desorption studies can be waived as this substance will decompose rapidly.

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not PBT.
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vPvB assessment:

1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not vPvB.
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Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

Do not dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. Dispose of in accordance with local, state, and federal laws and regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 8 of 9

Revision date: 04.15.2021

PK Pretreatment

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Additional Information	None

International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Additional Information	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Additional Information	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed - Active
56709-13-8	Poly(oxymethylene), a-(1H,3H,5H-oxazolo[3,4-c]oxazol-7a(7H)-ylmethyl)-w-hydroxy-	Not Listed
59720-42-2	Methanol, 1H,3H,5H-oxazolo[3,4-c]oxazol-7a(7H)-ylmethoxy-(9CI)	Not Listed
6542-37-6	1H,3H,5H-oxazolo[3,4-c]oxazole-7a(7H)-methanol	Listed - Active

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.03.2020

Page 9 of 9

Revision date: 04.15.2021

PK Pretreatment

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
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New Jersey Right to Know:

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
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New York Right to Know:

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
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Pennsylvania Right to Know:

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
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California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

The information contained herein is based on data consider accurate. However, no warranty is expressed or implied regarding the data accuracy of these data or results to be obtained from the user thereof. Poloplaz assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedure are not adhered to as stipulated in the data sheet. Additionally, Poplaz assumes no responsibility for injury to vendor or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in this use of the material.

NFPA: 1-0-0

HMIS: 1-0-0

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End of Safety Data Sheet