

SECTION 1: Identification of Product and Company

1.1. Product identifier

Trade name : EZY-TURN® POLAR
Product code : J915
Recommended use : Adhesives, sealants

1.2. Company identification

Manufacturer

Whitmore Manufacturing LLC
930 Whitmore Drive 75087 Rockwall, Texas USA
T 1.972.771.1000
Regulatory@whitmores.com - www.jetlube.com

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1.800.424.9300
Outside USA and Canada: +1.703.527.3887
(collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725)

Acute toxicity (dermal), Category 5
Hazardous to the aquatic environment – Acute Hazard, Category 3
Hazardous to the aquatic environment – Chronic Hazard, Category 3

2.2. Label elements

GHS BR labelling

Signal word (GHS BR) : Warning
Hazard statements (GHS BR) : H313 - May be harmful in contact with skin
H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (GHS BR) : P273 - Avoid release to the environment.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
1-decenehomopolymer, polyalphaolefin	CAS-No.: 68037-01-4	≥ 60
graphite	CAS-No.: 7782-42-5	4.408 – 4.62144
1,2-propanediol	CAS-No.: 57-55-6	1 – 2

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SECTION 4: First aid measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

No additional information available

8.3. Personal protective equipment

Hand protection:					
Neoprene or nitrile rubber gloves					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	0.3 mm - 0.6 mm		

Eye protection:					
Wear eye protection					

Skin and body protection:					
Wear suitable protective clothing					

Respiratory protection:					
No respiratory protection needed under normal use conditions					

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: black or grey
Odour	: petroleum-like odour
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: > 224 °C Cleveland Open Cup Method
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: Not available
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: > 25 mm²/s @ 40° C
Viscosity, dynamic	: Not available

9.2. Other information

VOC content : < 0.1 %

SECTION 10: Stability and reactivity

Chemical stability	: No additional information available
Conditions to avoid	: No additional information available
Hazardous decomposition products	: No additional information available
Incompatible materials	: No additional information available
Possibility of hazardous reactions	: No additional information available
Reactivity	: No additional information available
Handling temperature	: No additional information available

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not available
Acute toxicity (dermal) : May be harmful in contact with skin.
Acute toxicity (inhalation) : Not available

EZY-TURN® POLAR	
ATE BR (dermal)	3067.861 mg/kg bodyweight
1-decenehomopolymer, polyalphaolefin (68037-01-4)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.2 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
ATE BR (dermal)	2500 mg/kg bodyweight
graphite (7782-42-5)	
LD50 oral rat	> 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LC50 Inhalation - Rat	> 2000 mg/m³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))
LC50 Inhalation - Rat (Dust/Mist)	> 2 mg/l Source: ECHA
1,2-propanediol (57-55-6)	
LD50 oral rat	22000 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
ATE BR (oral)	22000 mg/kg bodyweight
ATE BR (dermal)	2500 mg/kg bodyweight
Skin corrosion/irritation	: Not available
graphite (7782-42-5)	
pH	7 (1.3 %)
1,2-propanediol (57-55-6)	
pH	6.5 – 7.5 (50 %)
Serious eye damage/irritation	: Not available
graphite (7782-42-5)	
pH	7 (1.3 %)
1,2-propanediol (57-55-6)	
pH	6.5 – 7.5 (50 %)
Respiratory or skin sensitisation	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
graphite (7782-42-5)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.000279 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
1,2-propanediol (57-55-6)	
NOAEL (subchronic, oral, animal/male, 90 days)	443 mg/kg bodyweight Animal: cat, Animal sex: male
Aspiration hazard	: Not available
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Viscosity, kinematic	> 25 mm²/s @ 40° C

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1-decenehomopolymer, polyalphaolefin (68037-01-4)	
Animal studies and expert judgment for classification	False
Viscosity, kinematic	4.819 mm ² /s
graphite (7782-42-5)	
Animal studies and expert judgment for classification	False
1,2-propanediol (57-55-6)	
Animal studies and expert judgment for classification	False
Viscosity, kinematic	41.84 mm ² /s

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

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

graphite (7782-42-5)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	19 mg/l
EC50 72h - Algae [2]	7.2 mg/l
ErC50 algae	> 100 mg/l
NOEC (chronic)	47 mg/l
1,2-propanediol (57-55-6)	
LC50 - Fish [1]	51400 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	51600 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 72h - Algae [1]	19300 mg/l Test organisms (species): Skeletonema costatum
EC50 72h - Algae [2]	24200 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	19100 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [2]	19000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

1-decenehomopolymer, polyalphaolefin (68037-01-4)	
Persistence and degradability	Readily biodegradable in water.
graphite (7782-42-5)	
Not rapidly degradable	
1,2-propanediol (57-55-6)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

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1,2-propanediol (57-55-6)	
Biochemical oxygen demand (BOD)	0.96 – 1.08 g O ₂ /g substance
Chemical oxygen demand (COD)	1.63 g O ₂ /g substance
ThOD	1.69 g O ₂ /g substance

12.3. Bioaccumulative potential

1-decenehomopolymer, polyalphaolefin (68037-01-4)	
Partition coefficient n-octanol/water (Log Pow)	> 6 (Calculated)
1,2-propanediol (57-55-6)	
BCF - Other aquatic organisms [1]	0.09
Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

1-decenehomopolymer, polyalphaolefin (68037-01-4)	
Ecology - soil	Adsorbs into the soil.
1,2-propanediol (57-55-6)	
Surface tension	71.6 mN/m (21.5 °C, 1.01 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

Hazardous to the ozone layer : Not available

SECTION 13: Disposal considerations

No additional information available

SECTION 14: Transport information

National and international Regulations

RES 5232	IMDG	IATA
UN number		
Not applicable	Not applicable	Not applicable
UN Proper Shipping Name		
Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Danger labels		
Not applicable	Not applicable	Not applicable
Subsidiary risk		
Not applicable	Not applicable	Not applicable
Risk Number		
Not applicable		

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RES 5232	IMDG	IATA
Packing group		
Not applicable	Not applicable	Not applicable
Special provisions		
Not applicable	Not applicable	Not applicable
Dangerous for the environment		
No	No	No

14.2 Other information

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

SECTION 16: Other information

No additional information available

Safety Data Sheet (SDS), Brazil

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.