

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 07/01/2022 Revision date: 07/07/2021

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

Product identifier

: Mixture Product form

: iLAST EXTENDED LIFE DOT 3 SYNTHETIC BRAKE FLUID 55 GALLON Trade name

Product code : FPiL0006

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

Use of the substance/mixture : Brake Fluid

Details of the supplier of the safety data sheet

US Global Petroleum 9101 Fullerton Avenue Franklin Park, IL 60131 - USA T 773-376-9660

Emergency telephone number

: CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International) **Emergency number**

SECTION 2: Hazards identification

Classification of the substance or mixture

GHS US classification

Acute toxicity (oral) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1

Reproductive toxicity Category 2

Specific target organ toxicity (repeated exposure) Category 2

H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H361 Suspected of damaging fertility or the unborn child

H373 May cause damage to organs through prolonged or repeated exposure

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

Label elements

GHS US labeling

Hazard pictograms (GHS US)







Signal word (GHS US) : Danger

H302 - Harmful if swallowed Hazard statements (GHS US) H315 - Causes skin irritation

H318 - Causes serious eye damage

H361 - Suspected of damaging fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P201 - Obtain special instructions

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust,fumes,gas,mist,vapor spray P264 - Wash affected areas thoroughly after handling P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, eye protection, face protection P301+P312 - If swallowed: Call a poison center, doctor if you feel unwell

P302+P352 - If on skin: Wash with plenty of soap and water

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P308+P313 - If exposed or concerned: Get medical advice/attention. P310 - Immediately call a poison center, doctor, physician

P314 - Get medical advice/attention if you feel unwell. P321 - Specific treatment: See section 4.1 on SDS

P330 - Rinse mouth.

P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with

local, regional, national, international regulations.

2.3. Other hazards

Other hazards which do not result in classification

: None under normal conditions.

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2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Triethylene Glycol Monomethyl Ether	(CAS-No.) 112-35-6	5 – 50	Not classified
Triethyleneglycol Monoethyl Ether	(CAS-No.) 112-50-5	5 – 50	Not classified
Triethylene Glycol Monobutyl Ether	(CAS-No.) 143-22-6	5 – 50	Eye Dam. 1, H318
3,6,9,12-Tetraoxahexadecane-1-ol	(CAS-No.) 1559-34-8	5 – 20	Not classified
Polyethylene Glycol 200-600	(CAS-No.) 25322-68-3	5 – 20	Not classified
2-(2-Butoxyethoxy) Ethanol	(CAS-No.) 112-34-5	5 – 20	Eye Irrit. 2A, H319
Tetraethylene Glycol Monomethyl Ether	(CAS-No.) 23783-42-8	5 – 20	Not classified
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether	(CAS-No.) 9038-95-3	5 – 20	Not classified
Polyalkylene Glycol Monobutyl Ether	(CAS-No.) 9004-77-7	5 – 20	Not classified
Diethylene Glycol	(CAS-No.) 111-46-6	5 – 15	STOT RE 2, H373
Diethylene Glycol Monomethyl Ether	(CAS-No.) 111-77-3	< 5	Flam. Liq. 4, H227 Repr. 2, H361
Diethyleneglycolmonoethyl Ether	(CAS-No.) 111-90-0	< 5	Eye Irrit. 2A, H319
Trade Secret Inhibitor Package	(CAS-No.) Trade Secret	< 3	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON

CENTER or doctor/physician if you feel unwell.

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

Symptoms/effects : Suspected of damaging fertility or the unborn child. Causes damage to organs.

Symptoms/effects after inhalation : May cause irritation or asthma-like symptoms.

Symptoms/effects after skin contact : Itching. Skin rash/inflammation. Red skin. Causes skin irritation.

Symptoms/effects after eye contact : Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.

Causes serious eye damage.

Symptoms/effects after ingestion : May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

First-aid measures after ingestion

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Safety glasses.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill. Contain released product, collect/pump into suitable containers. Plug

the leak, cut off the supply.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect

spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions. Do not handle until all safety precautions have been read

and understood. Avoid breathing dust,fume,gas,mist,vapor spray.

Hygiene measures : Wash contaminated clothing before reuse. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after

handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Comply with

applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container

closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Follow Label Directions.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ILAST EXTENDED LIFE DOT 3 SYNTHETIC BRAKE FLU	JID 55 GALLON
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No additional information available

Triethylene Glycol Monomethyl Ether (112-35-6)

No additional information available

Triethyleneglycol Monoethyl Ether (112-50-5)

No additional information available

Triethylene Glycol Monobutyl Ether (143-22-6)

No additional information available

3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)

No additional information available

Polyethylene Glycol 200-600 (25322-68-3)

No additional information available

2-(2-Butoxyethoxy) Ethanol (112-34-5)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]

10 ppm (Diethylene glycol monobutyl ether; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)

Diethylene Glycol (111-46-6)

No additional information available

Diethylene Glycol Monomethyl Ether (111-77-3)

No additional information available

Diethyleneglycolmonoethyl Ether (111-90-0)

No additional information available

Tetraethylene Glycol Monomethyl Ether (23783-42-8)

No additional information available

Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3)

No additional information available

Trade Secret Inhibitor Package (Trade Secret)

No additional information available

Polyalkylene Glycol Monobutyl Ether (9004-77-7)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Local exhaust venilation, vent hoods . Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

 ${\hbox{Gloves. Safety glasses. Avoid all unnecessary exposure.}}$

Materials for protective clothing:

Excellent resistance:

Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):

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No data available

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Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.

Color : Colourless to light yellow.

Odor : Mild.

Odor threshold : No data available pH : 7.5 – 11.5

Relative evaporation rate (butyl acetate=1) : < 0.01

Melting point : No data available
Freezing point : No data available
Boiling point : 232 – 273 °C
Flash point : > 135 °C
Auto-ignition temperature : 310 °C

Decomposition temperature No data available Flammability No data available Vapor pressure < 0.01 mm Hg Relative vapor density at 20 °C > 1 (air=1) 1.025 - 1.075Relative density Solubility Soluble in water. Partition coefficient n-octanol/water (Log Pow) : No data available Partition coefficient n-octanol/water (Log Kow) : No data available Viscosity, kinematic 2 mm²/s @ 100 deg C : No data available Viscosity, dynamic Explosive properties : No data available Oxidizing properties No data available

9.2. Other information

VOC content : < 1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Explosion limits

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

None. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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DF3 14 day(s) DF3 14 day(s) DF3 14 day(s) DF3 14 day(s) DF3	Acute toxicity (oral)	Harmful if swallowed.			
LDS0 oral rat	Acute toxicity (dermal)	Not classified			
LDS0 oral rat	Acute toxicity (inhalation)	Not classified			
ATE US (oral) 500 mg/kg body weight	ILAST EXTENDED LIFE DOT 3 SYNTHETIC BF	RAKE FLUID 55 GALLON			
Triethylene Glycol Monomethyl Ether (112-35-6) LDS0 oral rat LDS0 dermal rabbit ATE US (dermal) Triethylene(ycol Monoethyl Ether (112-50-5) LDS0 darmal rabbit Sa540 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Darmal) ATE US (oral) ATE US (oral) ATE US (dermal) Triethylene(glycol Monoethyl Ether (143-22-6) LDS0 darmal rabbit ATE US (dermal) Triethylene (glycol Monoebutyl Ether (143-22-6) LDS0 darmal rabbit AS40 mg/kg body weight Triethylene (glycol Monoebutyl Ether (143-22-6) LDS0 darmal rabbit AS40 mg/kg body weight AS40 mg/kg body weight AS40 mg/kg body weight DLS0 darmal rabbit AS40 mg/kg body weight AS50 mg/kg (Rat) LDS0 darmal rabbit AS400 mg/kg (Rat, Darmal) ATE US (oral) AS50 darmal rabbit AS50 mg/kg body weight AS50 mg/kg body weight AS50 darmal rabbit AS50 darmal rabbit AS50 mg/kg body weight AS50 darmal rabbit AS50 darmal rabbit AS500 mg/kg (Rat, Darmal) DLS0 darmal rabbit AS500 mg/kg (Rat, Darmal) DLS0 darmal rabbit AS500 mg/kg (Rat, Darmal) ATE US (darmal) BS500 mg/kg (Rat, Darmal) ATE US (darmal) BS500 mg/kg (Rat, Darmal) DLS0 darmal rabbit ATE US (darmal) BS500 mg/kg (Rat, Darmal) ATE US (darmal) BS600 mg/kg (Rat, Darmal) BS600 mg/kg (Rabbit, Dermal) ATE US (darmal) BS600 mg/kg (Rabbit, Experimental value, Oral, 5 day(s)) ATE US (darmal) BS600 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s)) ATE US (darmal) BS600 mg/kg (Rabbit) BS6					
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Solid or a least	Triethylene Glycol Monomethyl Ether (112-35	6)			
ATE US (dermal)					
ATE US (dermal)					
Triethyleneglycol Monoethyl Ether (112-50-5)					
LD50 oral rat	ATE US (dermal)	7455 mg/kg body weight			
Cral. 14 day(s) Status S	Triethyleneglycol Monoethyl Ether (112-50-5)				
ATE US (oral)	LD50 oral rat				
ATE US (dermal) 3540 mg/kg body weight	LD50 dermal rabbit	3540 mg/kg body weight (24 h, Rabbit, Male, Read-across, Dermal, 14 day(s))			
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LD50 oral rat	ATE US (dermal)	3540 mg/kg body weight			
LD50 dermal rabbit ATE US (dermal) 3480 mg/kg (Rabbit) 3480 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s) LD50 dermal rat > 4000 mg/kg (Rat, Dermal) 2630 mg/kg body weight Polyethylene Glycol 200-600 (25322-68-3) LD50 oral rat > 15000 mg/kg (Rat, Oral) > 2-(2-Butoxyethoxy) Ethanol (112-34-5) LD50 oral rat S660 mg/kg (Rat) D50 dermal rabbit 2764 mg/kg (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity) ATE US (oral) 5660 mg/kg body weight Diethylene Glycol (111-46-6) LD50 oral rat 16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) LD50 oral rat 16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) D50 oral rat 16500 mg/kg body weight (Rabbit, Experimental value, Dermal, 14 day(s)) ATE US (oral) 13300 mg/kg body weight ATE US (dermal) 13300 mg/kg body weight D60 oral rat 16500 mg/kg body weight 16500 mg/kg body weight D60 oral rat 16500 mg/kg body weight D60 oral rat 16500 mg/kg body weight D60 oral rat 16000 mg/kg body weight D60 oral rat 16000 mg/kg body weight D60 oral rat D60 or	Triethylene Glycol Monobutyl Ether (143-22-6				
ATE US (dermal) 3480 mg/kg body weight	LD50 oral rat	> 5000 mg/kg (Rat)			
3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8) LD50 oral rat 2630 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s body weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s bedy weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s bedy weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s bedy weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s bedy weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s bedy weight (BASF)) LD50 oral rat 5050 dermal rabbit 5050 mg/kg (Rat) LD50 oral rat 5660 mg/kg (Rat) LD50 oral rat 5660 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Dermal, 1050 dermal rabbit 2764 mg/kg (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity) ATE US (oral) 5660 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Dermal, 1050 dermal rabbit 13300 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) LD50 oral rat 16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) ATE US (oral) 16500 mg/kg body weight (Rabbit, Experimental value, Dermal, 14 day(s)) ATE US (dermal) 13300 mg/kg body weight Diethylene Glycol Monomethyl Ether (111-77-3) LD50 oral rat 4140 mg/kg (Rat) LD50 dermal rabbit 2000 mg/kg (Rabbit) LC50 Inhalation - Rat 2000 mg/kg (Rabbit) LC50 Inhalation - Rat 2000 mg/kg (Babbit) Diethyleneglycolmonoethyl Ether (111-90-0) LD50 dermal rabbit 9143 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Oral, 14 day(s)) 4140 mg/kg body weight (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s))	LD50 dermal rabbit	3480 mg/kg (Rabbit)			
LD50 oral rat 2630 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s LD50 dermal rat > 4000 mg/kg (Rat, Dermal) 2630 mg/kg body weight Polyethylene Glycol 200-600 (25322-68-3) LD50 oral rat > 15000 mg/kg (Rat, Oral) LD50 dermal rabbit > 20000 mg/kg (Ratbit, Dermal) 2-(2-Butoxyethoxy) Ethanol (112-34-5) LD50 oral rat 5660 mg/kg (Rat) LD50 dermal rabbit 2764 mg/kg (Rabbit, Experimental value; OECD 402: Acute Dermal Toxicity) ATE US (oral) 5660 mg/kg body weight ATE US (dermal) 2764 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) LD50 oral rat 16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) LD50 oral rat 16500 mg/kg body weight (Rabbit, Experimental value, Dermal, 14 day(s)) ATE US (oral) 13300 mg/kg body weight ATE US (oral) 13300 mg/kg body weight ATE US (dermal) 13300 mg/kg body weight Diethylene Glycol Monomethyl Ether (111-77-3) LD50 oral rat 4140 mg/kg (Rabbit) 2000 mg/kg (Rabbit) 2143 mg/kg body weight Diethylene Glycol Monomethyl Ether (111-90-0) LD50 dermal rabbit 9143 mg/kg body weight Diethylene Glycol Monomethyl Ether (111-90-0) LD50 dermal rabbit 9143 mg/kg body weight Diethylene Glycol Monomethyl Ether (2788-42-8) LD50 oral rat 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) Tetraethylene Glycol Monomethyl Ether (2788-42-8) LD50 dermal rabbit 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s))	ATE US (dermal)	3480 mg/kg body weight			
LD50 dermal rat	3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)				
ATE US (oral) 2630 mg/kg body weight	LD50 oral rat	2630 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s))			
Polyethylene Glycol 200-600 (25322-68-3) LD50 oral rat	LD50 dermal rat	> 4000 mg/kg (Rat, Dermal)			
LD50 oral rat	ATE US (oral)	2630 mg/kg body weight			
LD50 dermal rabbit > 20000 mg/kg (Rabbit, Dermal)	Polyethylene Glycol 200-600 (25322-68-3)				
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ATE US (oral) 5660 mg/kg body weight ATE US (dermal) 2764 mg/kg body weight Diethylene Glycol (111-46-6) LD50 oral rat 16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) LD50 dermal rabbit 13300 mg/kg body weight (Rabbit, Experimental value, Dermal, 14 day(s)) ATE US (oral) 16500 mg/kg body weight ATE US (dermal) 13300 mg/kg body weight Diethylene Glycol Monomethyl Ether (111-77-3) LD50 oral rat 4140 mg/kg (Rat) LD50 dermal rabbit > 2000 mg/kg (Rabbit) LC50 Inhalation - Rat > 20 mg/l/4h (Rat) ATE US (oral) 4140 mg/kg body weight Diethyleneglycolmonoethyl Ether (111-90-0) LD50 dermal rabbit 9143 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) ATE US (dermal) 9143 mg/kg body weight Tetraethylene Glycol Monomethyl Ether (23783-42-8) LD50 oral rat 21500 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) LD50 dermal rabbit 7100 mg/kg body weight (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s))	LD50 oral rat	5660 mg/kg (Rat)			
Diethylene Glycol (111-46-6) LD50 oral rat	LD50 dermal rabbit	2764 mg/kg (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)			
Diethylene Glycol (111-46-6) LD50 oral rat 16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s)) LD50 dermal rabbit 13300 mg/kg body weight (Rabbit, Experimental value, Dermal, 14 day(s)) ATE US (oral) 16500 mg/kg body weight ATE US (dermal) 13300 mg/kg body weight Diethylene Glycol Monomethyl Ether (111-77-3) LD50 oral rat LD50 oral rat LD50 dermal rabbit > 2000 mg/kg (Rabbit) LC50 Inhalation - Rat ATE US (oral) 4140 mg/kg (Rat) LD50 dermal rabbit > 20 mg/l/4h (Rat) ATE US (oral) Diethyleneglycolmonoethyl Ether (111-90-0) LD50 dermal rabbit 9143 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) ATE US (dermal) 9143 mg/kg body weight Tetraethylene Glycol Monomethyl Ether (23783-42-8) LD50 oral rat > 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) Tom g/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	ATE US (oral)	5660 mg/kg body weight			
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LD50 dermal rabbit 9143 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experime value, Dermal, 14 day(s)) ATE US (dermal) 9143 mg/kg body weight Tetraethylene Glycol Monomethyl Ether (23783-42-8) LD50 oral rat > 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) LD50 dermal rabbit 7100 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	ATE US (oral)	4140 mg/kg body weight			
value, Dermal, 14 day(s)) ATE US (dermal) 9143 mg/kg body weight Tetraethylene Glycol Monomethyl Ether (23783-42-8) LD50 oral rat > 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) LD50 dermal rabbit 7100 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	Diethyleneglycolmonoethyl Ether (111-90-0)				
Tetraethylene Glycol Monomethyl Ether (23783-42-8) LD50 oral rat > 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) LD50 dermal rabbit 7100 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))					
LD50 oral rat > 15000 mg/kg (Equivalent or similar to OECD 401, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) LD50 dermal rabbit 7100 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	ATE US (dermal)	9143 mg/kg body weight			
value, Oral, 14 day(s)) LD50 dermal rabbit 7100 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	Tetraethylene Glycol Monomethyl Ether (2378	3-42-8)			
	LD50 oral rat				
ATE LIC (degree al)	LD50 dermal rabbit	7100 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))			
ATE US (dermai) 7100 mg/kg body weight	ATE US (dermal)	7100 mg/kg body weight			
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3)					
LD50 oral rat > 2000 mg/kg body weight (Rat, Oral)	LD50 oral rat	> 2000 mg/kg body weight (Rat, Oral)			
LD50 dermal rabbit > 2000 mg/kg body weight (Rabbit, Dermal)	LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit, Dermal)			

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Skin corrosion/irritation : Causes skin irritation.

pH: 7.5 - 11.5

Serious eye damage/irritation : Causes serious eye damage.

pH: 7.5 – 11.5

Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Polyalkylene Glycol Monobutyl Ether (9004-77-7)

IARC group 4 - Probably not carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Diethylene Glycol (111-46-6) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Viscosity, kinematic : 2 mm²/s @ 100 deg C

Potential Adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met. Harmful if swallowed.

Symptoms/effects : Suspected of damaging fertility or the unborn child. Causes damage to organs.

Symptoms/effects after inhalation : May cause irritation or asthma-like symptoms.

Symptoms/effects after skin contact : Itching. Skin rash/inflammation. Red skin. Causes skin irritation.

Symptoms/effects after eye contact : Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.

Causes serious eye damage.

Symptoms/effects after ingestion : May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.

Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

12.1. Toxicity

Triethylene Glycol Monomethyl Ether (112-35-6)			
EC50 - Crustacea [1]	> 500 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)		
ErC50 algae	> 500 mg/l (72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value		
Triethyleneglycol Monoethyl Ether (112-	50-5)		
LC50 - Fish [1]	> 10000 mg/l (96 h, Pimephales promelas, Static system, Experimental value, Nominal concentration)		
ErC50 algae	> 500 mg/l (UBA, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Weight of evidence, Nominal concentration)		
Triethylene Glycol Monobutyl Ether (143	-22-6)		
LC50 - Fish [2]	2200 mg/l (LC50; 96 h)		
EC50 - Crustacea [2]	> 500 mg/l (EC50; 48 h)		
Threshold limit - Algae [1] > 500 mg/l (EC50; 72 h)			
3,6,9,12-Tetraoxahexadecane-1-ol (1559-	34-8)		
LC50 - Fish [1]	> 1409 mg/l (96 h, Salmo gairdneri, Similar product)		
EC50 - Crustacea [1]	> 1000 mg/l (48 h, Daphnia magna, Similar product)		
Polyethylene Glycol 200-600 (25322-68-3)			
LC50 - Fish [1]	> 5000 mg/l (24 h, Carassius auratus)		
2-(2-Butoxyethoxy) Ethanol (112-34-5)			
LC50 - Fish [1]	1300 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Lepomis macrochirus; Static system; Fresh water; Experimental value)		
EC50 - Crustacea [2]	250 - Crustacea [2] > 100 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna Static system; Fresh water; Experimental value)		
Diethylene Glycol (111-46-6)			
LC50 - Fish [1]	75200 mg/l (96 h, Pimephales promelas, Flow-through system, Experimental value, Lethal)		
EC50 - Crustacea [1] > 10000 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Exprivalue, Locomotor effect)			

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Diethylene Glycol Monomethyl Ether (111-77-3)

	-,
LC50 - Fish [1]	1000 mg/l (LC50; 96 h)
EC50 - Crustacea [1]	> 500 mg/l (EC50; 48 h)
Threshold limit - Algae [1]	> 500 mg/l (EC50; 72 h)
Diethyleneglycolmonoethyl Ether (111-90	
LC50 - Fish [1]	6010 mg/l (Equivalent or similar to OECD 203, 96 h, Ictalurus punctatus, Flow-through system Fresh water, Experimental value, Lethal)
ErC50 algae	14861 mg/l (Equivalent or similar to OECD 201, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
Tetraethylene Glycol Monomethyl Ether (23783-42-8)
LC50 - Fish [1]	> 10000 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Read-across, Nominal concentration)
EC50 - Crustacea [1]	22900 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 500 mg/l (UBA, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimenta value, Nominal concentration)
Oxirane, 2-Methyl-, Polymer with Oxirane	. Monobutyl Ether (9038-95-3)
LC50 - Other aquatic organisms [1]	> 10000 mg/l (96 h)
2. Persistence and degradability	
iLAST EXTENDED LIFE DOT 3 SYNTHETI	C BRAKE FLUID 55 GALLON
Persistence and degradability	Not established.
<u> </u>	
Triethylene Glycol Monomethyl Ether (11	
Persistence and degradability	Inherently biodegradable. Non degradable in the soil. Photodegradation in the air. Not established.
Triethyleneglycol Monoethyl Ether (112-5	0-5)
Persistence and degradability	Readily biodegradable in water. Not established.
Triethylene Glycol Monobutyl Ether (143-	22-6)
Persistence and degradability	Readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	0.02 g O₂/g substance
Chemical oxygen demand (COD)	1.83 g O₂/g substance
3,6,9,12-Tetraoxahexadecane-1-ol (1559-3	34-8)
Persistence and degradability	Not readily biodegradable in water. Inherently biodegradable. Not established.
ThOD	2.05 g O ₂ /g substance
Polyethylene Glycol 200-600 (25322-68-3)	
Persistence and degradability	Biodegradability in water: no data available. Not established.
2-(2-Butoxyethoxy) Ethanol (112-34-5)	•
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.25 g O ₂ /g substance
Chemical oxygen demand (COD)	2.08 g O ₂ /g substance
ThOD	2.173 g O ₂ /g substance
BOD (% of ThOD)	0.11
Diethylene Glycol (111-46-6)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Photolysis in the air. Not established.
Biochemical oxygen demand (BOD)	0.02 g O ₂ /g substance
Chemical oxygen demand (COD)	1.51 g O ₂ /g substance
ThOD	1.51 g O₂/g substance
Diethylene Glycol Monomethyl Ether (111	I-77-3)
Persistence and degradability	Readily biodegradable in water. Photolysis in the air. Photodegradation in the air. Not established.
Chemical oxygen demand (COD)	1.71 g O ₂ /g substance
ThOD	1.73 g O ₂ /g substance
Diethyleneglycolmonoethyl Ether (111-90	I-O)
	-1
Persistence and degradability	Readily biodegradable in water. Not established.

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Diethyleneglycolmonoethyl Ether (111-90-0)				
Chemical oxygen demand (COD)	1.85 g O₂/g substance			
ThOD	1.9078849 g O ₂ /g substance			
BOD (% of ThOD)	0.11 (Calculated value)			
Tetraethylene Glycol Monomethyl Ether (23783-42-8)				
Persistence and degradability	Inherently biodegradable. Photolysis in the air. Not established.			
<u> </u>				
Oxirane, 2-Methyl-, Polymer with Oxirane, Mo				
Persistence and degradability	Not readily biodegradable in water. Not established.			
Trade Secret Inhibitor Package (Trade Secre	t)			
Persistence and degradability	Not established.			
Polyalkylene Glycol Monobutyl Ether (9004-	77-7)			
Persistence and degradability	Not established.			
2.3. Bioaccumulative potential				
•	DAVE FLUID SE CALLON			
ILAST EXTENDED LIFE DOT 3 SYNTHETIC B				
Bioaccumulative potential	Not established.			
Triethylene Glycol Monomethyl Ether (112-35				
Partition coefficient n-octanol/water (Log Pow)	-1.12 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)			
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.			
Triethyleneglycol Monoethyl Ether (112-50-5)				
Partition coefficient n-octanol/water (Log Pow)	0.51 (Weight of evidence approach, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)			
Bioaccumulative potential	Not bioaccumulative. Not established.			
'				
Triethylene Glycol Monobutyl Ether (143-22-6				
Partition coefficient n-octanol/water (Log Pow)	0.51 (Experimental value)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.			
3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8				
Partition coefficient n-octanol/water (Log Pow)	-0.26 (QSAR, 25 °C)			
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.			
Polyethylene Glycol 200-600 (25322-68-3)				
Partition coefficient n-octanol/water (Log Pow)	-1.2			
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.			
2-(2-Butoxyethoxy) Ethanol (112-34-5)				
BCF - Fish [1]	0.46 (BCF)			
Partition coefficient n-octanol/water (Log Pow)	0.56 (Experimental value)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
·	1			
Diethylene Glycol (111-46-6)	400 l/kg /2 dov/o) Laugiagua malanatus. Ctatia quatam Frank water Frankischer			
BCF - Fish [1]	100 l/kg (3 day(s), Leuciscus melanotus, Static system, Fresh water, Experimental value) -1.98 (Calculated)			
Partition coefficient n-octanol/water (Log Pow)	Low potential for bioaccumulation (BCF < 500). Not established.			
Bioaccumulative potential				
Diethylene Glycol Monomethyl Ether (111-77				
Partition coefficient n-octanol/water (Log Pow)	-1.14 – -0.68			
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.			
Diethyleneglycolmonoethyl Ether (111-90-0)				
Partition coefficient n-octanol/water (Log Pow)	-0.54 (Literature, 20 °C)			
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.			
Tetraethylene Glycol Monomethyl Ether (237	83-42-8)			
Partition coefficient n-octanol/water (Log Pow)	-1.5 (20 °C)			
	Bioaccumulation: not applicable. Not established.			
Bioaccumulative potential	bloaccumulation. not applicable. Not established.			
Oxirane, 2-Methyl-, Polymer with Oxirane, Mo	onobutyl Ether (9038-95-3)			
Oxirane, 2-Methyl-, Polymer with Oxirane, Mo Bioaccumulative potential	Probability I Ether (9038-95-3) Not bioaccumulative. Not established.			
Oxirane, 2-Methyl-, Polymer with Oxirane, Mo	Probability I Ether (9038-95-3) Not bioaccumulative. Not established.			

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Polyalkylene Glycol Monobutyl Ether (9004-77-7)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

2.4. Mobility in soil				
Triethylene Glycol Monomethyl Ether (112-35-6)				
Surface tension	31.4 mN/m			
Ecology - soil	No (test)data on mobility of the substance available.			
Triethyleneglycol Monoethyl Ether (112-50-5)				
Surface tension	52 mN/m (25 °C, 9 g/l)			
Ecology - soil	Low potential for adsorption in soil.			
3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)				
Ecology - soil	No (test)data on mobility of the substance available.			
2-(2-Butoxyethoxy) Ethanol (112-34-5)				
Surface tension	0.034 N/m (25 °C)			
Diethylene Glycol (111-46-6)				
Surface tension	No data available in the literature			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, QSAR)			
Ecology - soil	Highly mobile in soil.			
Diethylene Glycol Monomethyl Ether (111-77-	Diethylene Glycol Monomethyl Ether (111-77-3)			
Surface tension	0.035 N/m (25 °C)			
Diethyleneglycolmonoethyl Ether (111-90-0)				
Surface tension	52 mN/m (25 °C)			
Ecology - soil	Highly mobile in soil.			
Tetraethylene Glycol Monomethyl Ether (23783-42-8)				
Surface tension	52 – 70 mN/m (25 °C)			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)			
Ecology - soil	Highly mobile in soil.			

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to appropriate waste disposal facility, in accordance with local, regional,

national, international regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Proper Shipping Name (DOT) : Not Regulated

Other information : No supplementary information available.

Transport by sea

Air transport

Proper Shipping Name (IATA) : Not Regulated

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SECTION 15:	Regulator	v information
SECTION 15.	Negulator	y illiorillation

15.1. US Federal regulations

iI	AST	FYTE	NDED	LIFE DOT	SYNTHETI	C BRAKE FI	LUID 55 GALLON
╙	.AJI		NUEU	LIFE DUI .	SINITEII	C DRAKE FI	LUID 33 GALLUN

SARA Section 311/312 Hazard Classes

Delayed (chronic) health hazard Immediate (acute) health hazard

Triethylene Glycol Monomethyl Ether (112-35-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Triethyleneglycol Monoethyl Ether (112-50-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Triethylene Glycol Monobutyl Ether (143-22-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Polyethylene Glycol 200-600 (25322-68-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

2-(2-Butoxyethoxy) Ethanol (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard
Delayed (chronic) health hazard
Reactive hazard

Diethylene Glycol (111-46-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Diethylene Glycol Monomethyl Ether (111-77-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Diethyleneglycolmonoethyl Ether (111-90-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Tetraethylene Glycol Monomethyl Ether (23783-42-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Trade Secret Inhibitor Package (Trade Secret)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Polyalkylene Glycol Monobutyl Ether (9004-77-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

Triethylene Glycol Monomethyl Ether (112-35-6)

Listed on the Canadian DSL (Domestic Substances List)

Triethyleneglycol Monoethyl Ether (112-50-5)

Listed on the Canadian DSL (Domestic Substances List)

Triethylene Glycol Monobutyl Ether (143-22-6)

Listed on the Canadian DSL (Domestic Substances List)

3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)

Listed on the Canadian DSL (Domestic Substances List)

Polyethylene Glycol 200-600 (25322-68-3)

Listed on the Canadian DSL (Domestic Substances List)

2-(2-Butoxyethoxy) Ethanol (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

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2-(2-Butoxyethoxy) Ethanol (112-34-5)			
WHMIS Classification	Class B Division 3 - Combustible Liquid		
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
Diethylene Glycol (111-46-6)			
Listed on the Canadian DSL (Domestic Substance	es List)		
Diethylene Glycol Monomethyl Ether (111-77-	3)		
Listed on the Canadian DSL (Domestic Substance	es List)		
Diethyleneglycolmonoethyl Ether (111-90-0)			
Listed on the Canadian DSL (Domestic Substances List)			
Tetraethylene Glycol Monomethyl Ether (2378	Tetraethylene Glycol Monomethyl Ether (23783-42-8)		
Listed on the Canadian DSL (Domestic Substance	es List)		
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3)			
Listed on the Canadian DSL (Domestic Substances List)			
Trade Secret Inhibitor Package (Trade Secret)	Trade Secret Inhibitor Package (Trade Secret)		
Polyalkylene Glycol Monobutyl Ether (9004-77-7)			

EU-Regulations

Triethyleneglycol Monoethyl Ether (112-50-5)
Triethylene Glycol Monobutyl Ether (143-22-6)
3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)
Polyethylene Glycol 200-600 (25322-68-3)
2-(2-Butoxyethoxy) Ethanol (112-34-5)
Diethylene Glycol (111-46-6)
Diethylene Glycol Monomethyl Ether (111-77-3)
Diethyleneglycolmonoethyl Ether (111-90-0)
Tetraethylene Glycol Monomethyl Ether (23783-42-8)
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3)
Trade Secret Inhibitor Package (Trade Secret)
Polyalkylene Glycol Monobutyl Ether (9004-77-7)

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

Listed on the Canadian DSL (Domestic Substances List)

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

olaia. Indicatoria inguitation		
Triethyleneglycol Monoethyl Ether (112-50-5)		
Triethylene Glycol Monobutyl Ether (143-22-6)		
3,6,9,12-Tetraoxahexadecane-1-ol (1559-34-8)		
Polyethylene Glycol 200-600 (25322-68-3)		
2-(2-Butoxyethoxy) Ethanol (112-34-5)		
Diethylene Glycol (111-46-6)		
Diethylene Glycol Monomethyl Ether (111-77-3)		
Diethyleneglycolmonoethyl Ether (111-90-0)		
Tetraethylene Glycol Monomethyl Ether (23783-42-8)		
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3)		
Trade Secret Inhibitor Package (Trade Secret)		
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)		
Polyalkylene Glycol Monobutyl Ether (9004-77-7)		

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15.3. US State regulation	,	-9			
		FLUID 55 GALLON()			
iLAST EXTENDED LIFE DOT 3 SYNTHETIC BRAKE U.S California - Proposition 65 - Carcinogens List		No			
U.S California - Proposition 65 - Developmental		No			
Toxicity					
U.S California - Proposition 65 - Reproductive Toxicity - Female		No			
U.S California - Proposition 65 - Reproductive Toxicity - Male		No			
Triethylene Glycol Mon	omethyl Ether (112-35-6)				
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)	
No	No	No	No		
Triethyleneglycol Monoethyl Ether (112-50-5)					
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)	
No	No	No	No		
Triethylene Glycol Mon	obutyl Fther (143-22-6)				
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)	
No	No	No	No		
3,6,9,12-Tetraoxahexad	ecane-1-ol (1559-34-8)		-		
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	
No	No	No	No		
Polyethylene Glycol 20	n_600 (25322_68_3)				
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)	
No	No	No	No		
2-(2-Butoxyethoxy) Eth	anol (112-34-5)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	
No	No	No	No		
Diethylene Glycol (111-	46-6)		·		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)	
No	No	No	No		
Diethylene Glycol Mono	omethyl Ether (111-77-3)				
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)	
No	No	No	No		

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U.S California - Proposition 65 - Developmental Toxicity No No No No No No No No No N						
Tetraethylene Glycol Monomethyl Ether (23783-42-8) U.S California - Proposition 65 - Carcinogens List No No No No No No No No No N	risk level					
U.S California - Proposition 65 - Carcinogens List						
U.S California - Proposition 65 - Carcinogens List						
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether (9038-95-3) U.S California - Proposition 65 - Reproductive Toxicity - Reproductive Toxicity - Reproductive Toxicity - Male No Significant (NSRL) Trade Secret Inhibitor Package (Trade Secret) U.S California - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Proposition 65 - Reproductive Toxicity - Reproduc	risk level					
U.S California - Proposition 65 - Carcinogens List No						
U.S California - Proposition 65 - Carcinogens List No						
Trade Secret Inhibitor Package (Trade Secret) U.S California - Proposition 65 - Carcinogens List No	risk level					
U.S California - Proposition 65 - Carcinogens List No						
U.S California - Proposition 65 - Carcinogens List No						
Polyalkylene Glycol Monobutyl Ether (9004-77-7) U.S California - Proposition 65 - Carcinogens List U.S California - Proposition 65 - Developmental Toxicity U.S California - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Male No significant (NSRL)	risk level					
U.S California - Proposition 65 - Carcinogens List U.S California - Proposition 65 - Developmental Toxicity U.S California - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Male No significant (NSRL)						
U.S California - Proposition 65 - Carcinogens List U.S California - Proposition 65 - Developmental Toxicity U.S California - Proposition 65 - Reproductive Toxicity - Female U.S California - Proposition 65 - Reproductive Toxicity - Male No significant (NSRL)	Polyalkylene Glycol Monobutyl Ether (9004-77-7)					
	risk level					
No No No						
Diethylene Glycol (111-46-6)						
State or local regulations						
U.S Pennsylvania - RTK (Right to Know) List						
Diethylene Glycol Monomethyl Ether (111-77-3)						
State or local regulations						
U.S Massachusetts - Right To Know List						
U.S Pennsylvania - RTK (Right to Know) List						

SECTION 16: Other information

Indication of changes : Revision - See : *.

Other information : None.

Full text of H-phrases:

5/4 G. 1 . p	
H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated
	exposure

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause

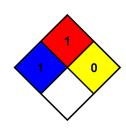
significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can

occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even

under fire conditions.



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Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard

Personal protection : B

The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

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