

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 01/05/2018 Supersedes:08/18/2016

Version: 1.3

SECTION 1: Identification of the substance/mixture and of the company/undertaking         1.1.       Product Identifier         Product form       : Mixture         Trade name       : JOHNSENS DOT 4 BRAKE FLUID 12 FLOZ.         Product code       : Sol2         1.2.       Relevant Identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       : Brake Fluid         1.3.       Details of the supplier of the safety data sheet         Technical Chemical Company       P.O. BOX 139         Cleburne, Texas 76033       T317-645-6088         1.4.       Emergency telephone number         Emergency number       : CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (Internatic         SECTION 2: Hazards identification       21.         Classification of the substance or mixture       GHS-US classification         Skin Irrit, 2: H315       Eye Dam. 1         Eye Dam. 1: H318       GHS-US         Signal word (GHS-US)       : Danger         Hazard pictograms (GHS-US)       : Danger         Hazard statements (GHS-US)       : Danger         Hazard bictograms (GHS-US)       : P200-Do not breather dust,fumes, gas.mist,vapor spray         P264 - Wash affected areas through yater handing         P204 - Wash affected areas through yater handin	
1.1       Product identifier         Product form       I. Mixture         Trade name       J.OHNSENS DOT 4 BRAKE FLUID 12 FL.OZ.         Product code       5012         1.2       Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       I.Brake Fluid         1.3       Details of the supplier of the safety data sheet         Technical Chemical Company       P.O. BOX 139         P.O. BOX 139       Cleburne, Taxas 76033         1.4       Emergency telephone number         Emergency number       :         Elemone number       :         SECTION 2: Hazards identification         Stin Inti, 2, H315         System 1       H318         STOT RE 2 H373         Full text of H statements : see section 16         Signal word (GHS-US)       :         Hazard pictograms (GHS-US)       :         Hazard statements (GHS-US)       :         Hazard statements (GHS-US)       :         Precautionary statements (GHS-US)       :         P280 - D on the brance duration symp and water for sex protective gloves protective sophysiter handing P280 - Wear protective glov	
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Z.S. Other hazards	eral minutes. Remove contac
Other hazards not contributing to the : None under normal conditions.	
Other hazards not contributing to the : None under normal conditions. classification	
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 % GH	HS-US classification
	t classified

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Name	Product identifier	%	GHS-US classification
Butyl Triglycolether	(CAS No) 143-22-6	10 - 30	Eye Dam. 1, H318
Triethylene Glycol Monomethyl Ether	(CAS No) 112-35-6	5 - 25	Not classified
Diethylene Glycol	(CAS No) 111-46-6	5 - 20	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Methoxypolyethyleneglycols	(CAS No) 9004-74-4	0 - 15	Not classified
Poly(oxy-1,2-ethanediyl), alpha-butyl-omega-hydroxy-	(CAS No) 9004-77-7	0 - 15	Not classified
Polyethylene Glycol	(CAS No) 25322-68-3	6 - 14	Not classified
2-(2-Butoxyethoxy) Ethanol	(CAS No) 112-34-5	5 - 10	Eye Irrit. 2, H319
Triethyleneglycol	(CAS No) 112-27-6	0 - 10	Not classified
Diethyleneglycolmonoethyl Ether	(CAS No) 111-90-0	3 - 5	Eye Irrit. 2A, H319
Diethanolamine	(CAS No) 111-42-2	0 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373
Diisopropanolamine	(CAS No) 110-97-4	0 - 1	Eye Irrit. 2, H319

The exact percentage is a trade secret.

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	<ul> <li>Allow victim to breathe fresh air. Allow the victim to rest. Remove victim to fresh air and keep rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if yo feel unwell.</li> </ul>
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritatic 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 do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: 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 e	effects, both acute and delayed
Symptoms/injuries	: Causes damage to organs. Suspected of damaging fertility or the unborn child.
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
Symptoms/injuries after skin contact	: May cause moderate irritation. Itching. Red skin. Skin rash/inflammation. Causes skin irritation
Symptoms/injuries after eye contact	: Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue. Causes serious eye damage.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate med	dical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measure	es
	S
5.1. Extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
5.1. Extinguishing media Suitable extinguishing media	
5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>
5.1.         Extinguishing media           Suitable extinguishing media           Unsuitable extinguishing media           5.2.         Special hazards arising from the	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> </ul>	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> </ul>
5.1.       Extinguishing media         Suitable extinguishing media         Unsuitable extinguishing media         5.2.       Special hazards arising from the         No additional information available         5.3.       Advice for firefighters	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> <li>SECTION 6: Accidental release m</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> <li>SECTION 6: Accidental release m</li> <li>6.1. Personal precautions, protective</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>Substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> <li>SECTION 6: Accidental release m</li> <li>6.1. Personal precautions, protective</li> <li>General measures</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>Substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> <li>SECTION 6: Accidental release m</li> <li>6.1. Personal precautions, protective</li> <li>General measures</li> <li>6.1.1. For non-emergency personnel</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>Substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards arising from the No additional information available 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release m 6.1. Personal precautions, protective General measures	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> <li>SECTION 6: Accidental release m</li> <li>6.1. Personal precautions, protective</li> <li>General measures</li> <li>6.1.1. For non-emergency personnel</li> <li>Protective equipment</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
<ul> <li>5.1. Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2. Special hazards arising from the</li> <li>No additional information available</li> <li>5.3. Advice for firefighters</li> <li>Firefighting instructions</li> <li>Protection during firefighting</li> <li>SECTION 6: Accidental release m</li> <li>6.1. Personal precautions, protective</li> <li>General measures</li> <li>6.1.1. For non-emergency personnel</li> <li>Protective equipment</li> <li>Emergency procedures</li> </ul>	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a heavy water stream.</li> <li>substance or mixture</li> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>

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6.2.	Environmental precautions		
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.			
6.3.	3. Methods and material for containment and cleaning up		
For cor	tainment	: Dam up the liquid spill. Plug the leak, cut off the supply. Contain released product, pump into suitable containers.	
Method	s for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Colle spillage. Store away from other materials.	
6.4.	Reference to other sections		

6.4. See Heading 8. Exposure controls and personal protection.

<b>SECTION 7: Handling and storage</b>	
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. Use only outdoors or in a well-ventilated area. Avoid breathing dust,fume,gas,mist,vapor spray. Obtain special instructions . Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off immediately all contaminated clothing and wash it before reuse. Observe normal hygiene standards. Keep container tightly closed. Always wash hands after handling the product. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
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.
Storage area	: Keep only in the original container.
Special rules on packaging	: Keep only in original container.

Specific end use(s) 7.3.

Follow Label Directions.

#### **SECTION 8: Exposure controls/personal protection**

#### **Control parameters** 8.1.

2-(2-Butoxyethoxy) Ethanol	(112-34-5)	
USA ACGIH	ACGIH TWA (ppm)	10 ppm (Diethylene glycol monobutyl ether; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
Diethanolamine (111-42-2)		
USA ACGIH	ACGIH TWA (mg/m³)	1 mg/m <sup>3</sup> (Diethanolamine; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
8.2. Exposure controls		
Appropriate engineering contro	ls : Local exhaust venilation, vent hood	ls . Ensure good ventilation of the work station.
Personal protective equipment	: Gloves. Safety glasses. Avoid all un	nnecessary exposure.
Materials for protective clothing	: GIVE EXCELLENT RESISTANCE:	
Hand protection : Wear protective gloves.		

- : Wear protective gloves.
- : Chemical goggles or safety glasses.
- : Wear suitable protective clothing.
- : Wear appropriate mask.
- : Avoid release to the environment.
- : Avoid contact during pregnancy/while nursing.
- : Do not eat, drink or smoke during use.

Eye protection

Skin and body protection

Environmental exposure controls

Consumer exposure controls

Respiratory protection

Other information

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<b>SECTION 9: Physical and chemical</b>	properties	
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Appearance	: Liquid.	
Color	: Amber. Yellow.	
Odor	: Mild . Ammoniacal.	
Odor threshold	: No data available	
рН	: 9-11	
Relative evaporation rate (butyl acetate=1)	: No data available	
Melting point	: <-59 °C	
Freezing point	: No data available	
Boiling point	: > 230 °C	
Flash point	: 203 °C	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: < 0.01 mm Hg Estimated	
Relative vapor density at 20 °C	: >10	
Relative density	: 1.03 - 1.08	
Solubility	: Soluble in water. Water: 100% Estimated	
Log Pow	: No data available	
Log Kow	: No data available	
Viscosity, kinematic	: <1500 cSt	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Explosion limits	: No data available	
9.2. Other information		
VOC content	: 0%	
<b>SECTION 10: Stability and reactivity</b>	y	
10.1. Reactivity		
No additional information available		

10.2.	Chemical stability
Not estab	lished.
10.3.	Possibility of hazardous reactions
Not estab	lished.
10.4.	Conditions to avoid
Direct su	nlight. Extremely high or low temperatures.
10.5.	Incompatible materials
Oxidizing	agent. 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

Acute toxicity

: Not classified

Triethyleneglycol Monoethyl Ether (112-50-5)		
LD50 oral rat	7750 mg/kg (Rat)	
LD50 dermal rabbit	8168 mg/kg (Rabbit)	
Butyl Triglycolether (143-22-6)		
LD50 oral rat	5170 mg/kg body weight (Rat; according to BASF-internal standards; Experimental value)	
LD50 dermal rabbit	3540 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)	

······ · · · · · · · · · · · · · · · ·	
Polyethylene Glycol (25322-68-3)	
LD50 oral rat	30200 mg/kg (Rat, Literature study)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit, Inconclusive, insufficient data)
ATE CLP (oral)	30200 mg/kg body weight
2-(2-Butoxyethoxy) Ethanol (112-34-5)	
LD50 dermal rabbit	2764 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
Diethylene Glycol (111-46-6)	
LD50 dermal rabbit	11890 mg/kg (Rabbit)
Diethyleneglycolmonoethyl Ether (111-90-0)	
LD50 oral rat	5445 mg/kg (Rat)
LD50 dermal rat	5940 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h (Rat)
Triethyleneglycol (112-27-6)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
Methoxypolyethyleneglycols (9004-74-4)	
LD50 oral rat	> 2000 mg/kg body weight (Rat)
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit)
Poly(oxy-1,2-ethanediyl), alpha-butyl-omega	-hydroxy- (9004-77-7)
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental
	value)
LD50 dermal rabbit	3540 mg/kg body weight (Modification of Draize 1959 method, 24 h, Rabbit, Male, Read- across)
ATE CLP (dermal)	3540 mg/kg body weight
Triethylene Glycol Monomethyl Ether (112-3	5-6)
LD50 oral rat	11865 mg/kg (Rat)
LD50 dermal rabbit	7455 mg/kg (Rabbit)
Diisopropanolamine (110-97-4)	
LD50 oral rat	4765 mg/kg (Rat)
LD50 dermal rat	16000 mg/kg (Rat)
LD50 dermal rabbit	8000 mg/kg (Rabbit)
Diethanolamine (111-42-2)	
LD50 oral rat	620 mg/kg (Rat)
LD50 dermal rabbit	7640 mg/kg (Rabbit)
Skin corrosion/irritation	: Causes skin irritation.
Skir corosion/imailon	pH: 9 - 11
Serious eye damage/irritation	: Causes serious eye damage.
Senous eye damage/imation	pH: 9 - 11
Despiratory or alvin constitution	
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Diethanolamine (111-42-2)	
IARC group	3
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
	· Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if swallowed. Harmful if inhaled.
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
Symptoms/injuries after skin contact	: May cause moderate irritation. Itching. Red skin. Skin rash/inflammation. Causes skin irritation.
Symptoms/injuries after eye contact	: Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue. Causes serious eye damage.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.
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<b>SECTION 12: Ecological information</b>	
12.1. Toxicity	
Triethyleneglycol Monoethyl Ether (112-50-5	
LC50 fish 1	,
EC50 Daphnia 1	> 10000 mg/l (LC50; 96 h) > 10000 mg/l (LC50: 48 h)
•	> 10000 mg/r (LC30, 40 m)
Butyl Triglycolether (143-22-6)	
LC50 fish 1	2200/2400,LC50; DIN 38412-15; 96 h; Leuciscus idus; Static system; Fresh water; Experimental value
EC50 Daphnia 1	> 500 mg/l (EC50; EU Method C.2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	62.5 mg/l (NOEC; DIN 38412-9; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)
Polyethylene Glycol (25322-68-3)	
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)
2-(2-Butoxyethoxy) Ethanol (112-34-5)	
LC50 fish 1	1300 mg/l (LC50; Equivalent or similar to OECD 203; 96 h; Lepomis macrochirus; Static system; Fresh water; Experimental value)
EC50 Daphnia 1	4950 mg/l (EC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system;
	Fresh water; Experimental value)
Threshold limit algae 1	> 100 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 96 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)
Diethylene Glycol (111-46-6)	
LC50 fish 1	> 5000 ppm (LC50; 24 h)
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h)
•	> 10000 mg/r (EC30, 24 m)
Diethyleneglycolmonoethyl Ether (111-90-0)	
LC50 fish 1	12900 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 1	3940 mg/l (EC50; 48 h)
Triethyleneglycol (112-27-6)	
EC50 Daphnia 1	42426 mg/l (EC50; 48 h)
LC50 fish 2	61000 mg/l (LC50; 96 h; Lepomis macrochirus)
Threshold limit algae 2	> 10000 mg/l (EC0; 168 h)
Poly(oxy-1,2-ethanediyl), alpha-butyl-omega	
LC50 fish 1	> 1800 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Scophthalmus maximus, Semi-static system, Salt water, Experimental value)
EC50 Daphnia 1	> 3200 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value)
ErC50 (algae)	2490 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Read-across)
Triethylene Glycol Monomethyl Ether (112-3	5-6)
LC50 fish 1	> 5000 mg/l (LC50; 96 h)
EC50 Daphnia 1	> 10000 mg/l (LC50; 48 h)
Threshold limit algae 1	> 500 mg/l (EC50; 72 h)
Diisopropanolamine (110-97-4)	
LC50 fish 1	1000 - 2200 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)
EC50 Daphnia 2	277.7 mg/l (EC50; 48 h)
Threshold limit algae 1	270 mg/l (EC50; 72 h)
•	
Diethanolamine (111-42-2) LC50 fish 1	1664 mg/l (LC50; 96 h; Pimephales promelas)
	55 mg/l (EC50; 48 h)
EC50 Daphnia 2	55 mg/i (E030, 40 m)
2.2. Persistence and degradability	
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.	
Persistence and degradability	Not established.
Triethyleneglycol Monoethyl Ether (112-50-5	)
Persistence and degradability	Readily biodegradable in water. Not established.
Butyl Triglycolether (143-22-6)	
Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. Not established.
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Polyethylene Glycol (25322-68-3)	
Persistence and degradability	Readily biodegradable in water. Not established.
2-(2-Butoxyethoxy) Ethanol (112-34-5)	-
Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air.
	Not established.
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 <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.51 g O <sub>2</sub> /g substance
ThOD	1.51 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.015
Diethyleneglycolmonoethyl Ether (111-90-0)	
Persistence and degradability	Readily biodegradable in water. Not established.
Biochemical oxygen demand (BOD)	0.2 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.85 g O <sub>2</sub> /g substance
ThOD	1.9078849 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.11
Triethyleneglycol (112-27-6)	
Persistence and degradability	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. Not established.
Biochemical oxygen demand (BOD)	0.03 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.57 g O <sub>2</sub> /g substance
ThOD	1.6 g O <sub>2</sub> /g substance
Methoxypolyethyleneglycols (9004-74-4)	
Persistence and degradability	Biodegradability in water: no data available. Not established.
Poly(oxy-1,2-ethanediyl), alpha-butyl-omega-	-hydroxy- (9004-77-7)
Persistence and degradability	Readily biodegradable in water. Not established.
Triethylene Glycol Monomethyl Ether (112-35	5-6)
Persistence and degradability	Inherently biodegradable. Non degradable in the soil. Photodegradation in the air. Not established.
Diisopropanolamine (110-97-4)	-
Persistence and degradability	Not readily biodegradable in water. Not established.
Diethanolamine (111-42-2)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.22 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.52 g O <sub>2</sub> /g substance
ThOD	2.13 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.1
2.3. Bioaccumulative potential	
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.	
Bioaccumulative potential	Not established.
Triethyleneglycol Monoethyl Ether (112-50-5)	
Bioaccumulative potential	Not bioaccumulative. Not established.
Butyl Triglycolether (143-22-6)	
Log Pow	0.51 (20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.
Polyethylene Glycol (25322-68-3)	
BCF fish 1	3.2 (Other, Pisces, Calculated value)
Log Pow	-0.960.7 (Weight of evidence approach, Other, 30 °C)
Bioaccumulative potential	Not bioaccumulative. Not established.
2-(2-Butoxyethoxy) Ethanol (112-34-5)	
Log Pow	1 (Test data; Equivalent or similar to OECD 107; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.
Diethylene Glycol (111-46-6)	
BCF fish 1	100 (BCF; Other; 3 days; Leuciscus melanotus; Static system; Fresh water; Experimental value)
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Diethylene Glycol (111-46-6)					
Log Pow	-1.98 (Calculated; Other)				
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established.				
Diethyleneglycolmonoethyl Ether (111-90-0)					
Log Pow	-1.190.08				
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.				
Triethyleneglycol (112-27-6)					
Log Pow	-2.081.17 (Calculated)				
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.				
Methoxypolyethyleneglycols (9004-74-4)					
Bioaccumulative potential	No bioaccumulation data available. Not established.				
Poly(oxy-1,2-ethanediyl), alpha-butyl-omega-	-hydroxy- (9004-77-7)				
Log Pow	0.436 (Experimental value, EU Method A.8: Partition Coefficient, 25.5 °C)				
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.				
Triethylene Glycol Monomethyl Ether (112-3	5-6)				
Log Pow	-1.13				
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.				
Diisopropanolamine (110-97-4)					
Log Pow	-0.79				
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.				
Diethanolamine (111-42-2)					
Log Pow	-2.181.43 (Experimental value)				
Bioaccumulative potential	Bioaccumulation: not applicable.				
12.4. Mobility in soil					
Butyl Triglycolether (143-22-6)					
Surface tension	0.0614 N/m (°C)				
Polyethylene Glycol (25322-68-3)					
Log Koc	1 (log Koc, Other, Calculated value)				
Log Koc Ecology - soil	1 (log Koc, Other, Calculated value) Highly mobile in soil.				
Ecology - soil	1 (log Koc, Other, Calculated value)         Highly mobile in soil.				
Ecology - soil 2-(2-Butoxyethoxy) Ethanol (112-34-5)	Highly mobile in soil.				
Ecology - soil 2-(2-Butoxyethoxy) Ethanol (112-34-5) Surface tension					
Ecology - soil 2-(2-Butoxyethoxy) Ethanol (112-34-5) Surface tension Diethylene Glycol (111-46-6)	Highly mobile in soil. 0.0069 N/m (20 °C)				
Ecology - soil 2-(2-Butoxyethoxy) Ethanol (112-34-5) Surface tension	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0;				
Ecology - soil  2-(2-Butoxyethoxy) Ethanol (112-34-5)  Surface tension  Diethylene Glycol (111-46-6)  Surface tension Log Koc	Highly mobile in soil.           0.0069 N/m (20 °C)           0.0485 N/m				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc    Diethyleneglycolmonoethyl Ether (111-90-0)	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value				
Ecology - soil 2-(2-Butoxyethoxy) Ethanol (112-34-5) Surface tension Diethylene Glycol (111-46-6) Surface tension Log Koc Diethyleneglycolmonoethyl Ether (111-90-0) Surface tension	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0;				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)				
Ecology - soil  2-(2-Butoxyethoxy) Ethanol (112-34-5)  Surface tension  Diethylene Glycol (111-46-6)  Surface tension  Log Koc  Diethyleneglycolmonoethyl Ether (111-90-0)  Surface tension  Triethyleneglycol (112-27-6)  Surface tension	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omega	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)         +ydroxy- (9004-77-7)				
Ecology - soil  2-(2-Butoxyethoxy) Ethanol (112-34-5)  Surface tension  Diethylene Glycol (111-46-6)  Surface tension  Log Koc  Diethyleneglycolmonoethyl Ether (111-90-0)  Surface tension  Triethyleneglycol (112-27-6)  Surface tension	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omegar         Surface tension	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omegar         Surface tension         Ecology - soil	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omega- Surface tension         Ecology - soil         Triethylene Glycol Monomethyl Ether (112-35	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)         -hydroxy- (9004-77-7)         0.0614 N/m (20 °C)         Low potential for adsorption in soil.         5-6)				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omegar         Surface tension         Ecology - soil         Triethylene Glycol Monomethyl Ether (112-33)         Surface tension	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)         -hydroxy- (9004-77-7)         0.0614 N/m (20 °C)         Low potential for adsorption in soil.         5-6)				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omega- Surface tension         Ecology - soil         Triethylene Glycol Monomethyl Ether (112-33 Surface tension         12.5.       Other adverse effects	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)         0.0614 N/m (20 °C)         Low potential for adsorption in soil.         5-6)         0.0314 N/m         : Avoid release to the environment.				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omegar         Surface tension         Ecology - soil         Triethylene Glycol Monomethyl Ether (112-33)         Surface tension         12.5.       Other adverse effects         Other information	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)         0.0614 N/m (20 °C)         Low potential for adsorption in soil.         5-6)         0.0314 N/m         : Avoid release to the environment.				
Ecology - soil         2-(2-Butoxyethoxy) Ethanol (112-34-5)         Surface tension         Diethylene Glycol (111-46-6)         Surface tension         Log Koc         Diethyleneglycolmonoethyl Ether (111-90-0)         Surface tension         Triethyleneglycol (112-27-6)         Surface tension         Poly(oxy-1,2-ethanediyl), alpha-butyl-omega- Surface tension         Ecology - soil         Triethylene Glycol Monomethyl Ether (112-33 Surface tension         12.5.       Other adverse effects         Other information         SECTION 13: Disposal consideration	Highly mobile in soil.         0.0069 N/m (20 °C)         0.0485 N/m         Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value         0.032 N/m (25 °C)         0.045 N/m (20 °C)         0.0614 N/m (20 °C)         Low potential for adsorption in soil.         5-6)         0.0314 N/m         : Avoid release to the environment.				

according to rederal Register / Vol. 77, No. 58 / Monday, March 20, 2012 / Rules and Regulations			
SECTION 14: Transport information			
US DOT (ground): Not regulated,			
ICAO/IATA (air): Not regulated,			
IMO/IMDG (water): Not regulated,			
14.2. UN proper shipping name			
Proper Shipping Name (DOT) : Not regulated			
14.3. Additional information			
Other information : No supplementary information available.			
Overland transport No additional information available			
Transport by sea			
No additional information available			
Air transport			
No additional information available			
SECTION 15: Regulatory information			
15.1. US Federal regulations			
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.			
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			
Triethyleneglycol Monoethyl Ether (112-50-5)			
Subject to reporting requirements of United States SARA Section 313			
Triethylene Glycol Monomethyl Ether (112-35-6)			
Subject to reporting requirements of United States SARA Section 313			
15.2. International regulations			
CANADA			
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.			
Listed on the Canadian DSL (Domestic Substances List)			
Triethylene Glycol Monomethyl Ether (112-35-6)			
EU-Regulations			
Triethylene Glycol Monomethyl Ether (112-35-6)			
Classification according to Regulation (EC) No. 1272/2008 [CLP]			
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] Xi; R41 Xi; R38			
R52/53			
Full text of R-phrases: see section 16			
15.2.2. National regulations			
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.			
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)			
Triethylene Glycol Monomethyl Ether (112-35-6)			
15.3. US State regulations			
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.			
U.S California - Proposition 65 - Carcinogens List No			

JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.	
U.S California - Proposition 65 - Carcinogens List	No
U.S California - Proposition 65 - Developmental Toxicity	No
U.S California - Proposition 65 - Reproductive Toxicity - Female	No

JOHNSEN'S DOT 4 BRAI					
		No			
U.S California - Proposition 65 - Reproductive Toxicity - Male		-			
State or local regulations		U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
Triethyleneglycol Monoe	thyl Ether (112-50-5)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male		
No	No	No	No		
Butyl Triglycolether (143	-22-6)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male		
No	No	No	No		
Polyethylene Glycol (253	22-68-3)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -		
		Female	Male		
No	No	No	No		
2-(2-Butoxyethoxy) Etha	nol (112-34-5)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male		
No	No	No	No		
Diethylene Glycol (111-4	6-6)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male		
No	No	No	No		
Diethyleneglycolmonoet	hvl Ether (111-90-0)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	(())	
No	No	No	No		
Triethyleneglycol (112-22	7-6)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	(((())))	
No	No	No	No		
Methoxypolyethylenegly	cols (9004-74-4)	· · · · · · · · · · · · · · · · · · ·	•	·	
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	()	
No	No	No	No		
Poly(oxy-1,2-ethanedivl)	, alpha-butyl-omega-hydrox	y- (9004-77-7)			
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male		
No	No	No	No		
	-	-	-		

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Triethylene Glycol Monor	nethyl Ether (112-35-6)					
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level		
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)		
Carcinogens List	Developmental Toxicity	Reproductive Toxi	city - Reproductive Toxicity -	· · · ·		
-		Female	Male			
No	No	No	No			
Diisopropapolamino (110	-07-4)					
Diisopropanolamine (110 U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level		
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)		
Carcinogens List	Developmental Toxicity	Reproductive Toxi		(NOICE)		
Carolinogono Liot	Developmental reality	Female	Male			
No	No	No	No			
Diethanolamine (111-42-2	2)					
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level		
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)		
Carcinogens List	Developmental Toxicity	Reproductive Toxi				
-		Female	Male			
Yes	No	No	No			
Triethyleneglycol Monoet	thyl Ether (112-50-5)					
State or local regulations	• • •					
U.S Pennsylvania - RTK	(Right to Know) - Environment	al Hazard List				
	o Know Hazardous Substance					
Triethyleneglycol (112-27	-6)					
State or local regulations						
U.S Pennsylvania - RTK	(Right to Know) - Environment	al Hazard List				
Triethylene Glycol Monor	nethyl Ether (112-35-6)					
State or local regulations						
U.S Pennsvlvania - RTK	(Right to Know) - Environment	al Hazard List				
	o Know Hazardous Substance					
Diethanolamine (111-42-2	3					
State or local regulations	,					
U.S California - Propositi	on 65					
SECTION 16: Other i						
Indication of changes	: Revis	sion - See : *.				
Other information	: None	: None.				
Full text of H-phrases:						
H302			Harmful if swallowed			
H315			Causes skin irritation			
H318		Causes serious eye damage				
H319			Causes serious eye unitage			
H373			May cause damage to organs through prolonged or repeated			
			exposure			
				•		
NFPA health hazard			oosure could cause temporary			
		acitation or possible re	esidual injury unless prompt			
NFPA fire hazard		ust be preheated befo	re ignition can occur			
		•	Ŭ 🔨	2 0		
NFPA reactivity						
				$\sim$		
				•		
HMIS III Rating						
Health	: 2 Mo	derate Hazard - Temp	oorary or minor injury may occur			
Flammability	: 1 Slig	: 1 Slight Hazard				
Physical		: 0 Minimal Hazard				
ersonal Protection : B						
	. В					

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SDS US (GHS HazCom 2012) - TCC

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

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