

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 05/02/2013

Version:

R	evision date: 05/02/2013 : Version:
SECTION 1: Identification of the	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Trade name	: PETRA DOT 4 BRAKE FLUID 12/32 OZ
Product code	: PETRA6432
1.2. Relevant identified uses of the	e substance or mixture and uses advised against
Use of the substance/mixture	: FOLLOW LABEL DIRECTIONS
1.3. Details of the supplier of the s	safety data sheet
Petra Oil Company 6100 West by Northwest Blvd. Ste. 190 Houston, TX 77040	
1.4. Emergency telephone number	r
Emergency number	: CHEMTREC 24 Hour 1-800-424-9300
SECTION 2: Hazards identificat	ion
Classification (GHS-US)Acute Tox. 4 (Oral)H302Acute Tox. 4 (Inhalation:dust,mist)H332Eye Dam. 1H318STOT RE 2H373	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (GHS-US) Hazard statements (GHS-US)	GHS05 GHS07 GHS08 : Danger : H302 - Harmful if swallowed
	H318 - Causes serious eye damage H332 - Harmful if inhaled H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements (GHS-US)	 P260 - Do not breathe dust/fume/gas/mist/vapors/spray P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P264 - Wash thoroughly after handling P270 - Do no eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed, call a doctor if you feel unwell P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER/doctor/ P312 - Call a POISON CENTER/doctor//if you feel unwell P330 - If swallowed, rinse mouth P501 - Dispose of contents/container to
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS	US)
No data available	
SECTION 3: Composition/inform	
	mation on ingredients
3.1. Substances	mation on ingredients
3.1. Substances Not applicable Instance	mation on ingredients

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Name	Product identifier	%	Classification (GHS-US)
TRIETHYLENE GLYCOL MONOMETHYL BORATE ESTER	(CAS No) 71243-41-9	30 - 40	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2B, H320
triethylene glycol monomethyl ether	(CAS No) 112-35-6	28 - 31	Not classified
methoxy polyethylene glycol 350	(CAS No) 9004-74-4	14 - 28	Not classified
diethylene glycol	(CAS No) 111-46-6	0-5	STOT RE 2, H373
triethylene glycol monobutyl ether	(CAS No) 143-22-6	0 - 3.25	Eye Dam. 1, H318
tetraethylene glycol	(CAS No) 112-60-7	0 - 2	Not classified
polyethylene glycol 200-600	(CAS No) 25322-68-3	0 - 2	Not classified
3,6,9,12-tetraoxahexadecane-1-ol	(CAS No) 1559-34-8	0 - 1.5	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 you feel unwell, seek medical advice (show the label where possible).		
First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.		
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.		
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.		
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor/physician if you feel unwell.		
4.2. Most important symptoms and effect	s, both acute and delayed		
Symptoms/injuries	: Causes damage to organs.		
Symptoms/injuries after inhalation	 Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. 		
Symptoms/injuries after eye contact	: 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 medical attention and special treatment needed			
No additional information available			
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 sub	stance or mixture		
No additional information available			
5.3. Advice for firefighters			
Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.		

	chemical life. Avoid (reject) life-igniting water to enter environment.
n during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel			
Emergency procedures	: Evacuate unnecessary personnel.		
6.1.2. For emergency responders			
Protective equipment	otective 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 containme	.3. Methods and material for containment and cleaning up		
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.

Protection

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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 vapor. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.		
Hygiene measures	: Do no eat, drink or smoke when using this product. Wash thoroughly after handling.		
7.2. Conditions for safe storage, inclu	ding any incompatibilities		
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.			
SECTION 8: Exposure controls/pe	rsonal protection		
8.1. Control parameters			
8.2. Exposure controls			
Personal protective equipment	: Avoid all unnecessary exposure.		
Hand protection	: Wear protective gloves.		
Eye protection	: Chemical goggles or safety glasses.		
Respiratory protection	: Wear appropriate mask.		
Other information	: Do not eat, drink or smoke during use.		
SECTION 9: Physical and chomica	Inconartias		
SECTION 9: Physical and chemica			
9.1. Information on basic physical and			
Physical state	: Liquid		
Color	: Colourless to light yellow. colorless.		
Odor	i mild. characteristic.		
Odor threshold	: No data available		
pH			
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: < -50 °C		
Freezing point	: < -50 °C		
Boiling point	: > 243 °C		
Flash point	: > 121 °C		
Self ignition temperature	: 310 °C		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: < 0.01 mm Hg		
Relative vapor density at 20 ℃	: No data available		
Relative density	: 1.06		
Solubility	: Soluble in water.		
Log Pow	: No data available		
Log Kow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Explosive limits	: No data available		
9.2. Other information			

10.1. Reactivity

No additional information available

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10.2. Chemical stability			
Not established.			
10.3. Possibility of hazardous reactions			
Not established.			
Direct sunlight. Extremely high or low temperatures	b.		
10.5. Incompatible materials			
Oxidizing agent. strong acids. Strong bases.			
10.6. Hazardous decomposition products			
fume. Carbon monoxide. Carbon dioxide.			
SECTION 11: Toxicological information	n		
11.1. Information on toxicological effects			
Acute toxicity	Harmful if swallowed. Harmful if inhaled.		
TRIETHYLENE GLYCOL MONOMETHYL BOR	ATE ESTER (71243-41-9)		
LD50 oral rat	> 5 g/kg		
LD50 dermal rabbit	> 2 g/kg		
LC50 inhalation rat (mg/l)	200 mg/l		
triethylene glycol monomethyl ether (112-35-6			
LD50 oral rat	11865 mg/kg (Rat)		
LD50 dermal rabbit	7455 mg/kg (Rabbit)		
methoxy polyethylene glycol 350 (9004-74-4)	20000 m s//cs /Dat)		
LD50 oral rat	22000 mg/kg (Rat)		
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)		
diethylene glycol (111-46-6)			
LD50 oral rat	12565 mg/kg (Rat)		
LD50 dermal rabbit	11890 mg/kg (Rabbit)		
triethylene glycol monobutyl ether (143-22-6)			
LD50 oral rat	> 5000 mg/kg (Rat)		
LD50 dermal rabbit	3480 mg/kg (Rabbit)		
tetraethylene glycol (112-60-7)			
LD50 oral rat	29000 mg/kg (Rat)		
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)		
polyethylene glycol 200-600 (25322-68-3)			
LD50 oral rat	> 15000 mg/kg (Rat)		
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)		
3,6,9,12-tetraoxahexadecane-1-ol (1559-34-8)			
LD50 oral rat	> 5000 mg/kg (Rat)		
LD50 dermal rat	> 4000 mg/kg (Rat)		
Skin corrosion/irritation	Not classified		
	рН: 8.6		
Serious eye damage/irritation	Causes serious eye damage.		
	рН: 8.6		
Respiratory or skin sensitization	Not classified		
Germ cell mutagenicity	Not classifiedBased on available data, the classification criteria are not met		
Carcinogenicity	Not classified		
Reproductive toxicity	Not classifiedBased on available data, the classification criteria are not met		
Specific target organ toxicity (single exposure)	Not classified		
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.Based on available data, the classification criteria are not met		
Aspiration hazard	Not classifiedBased on available data, the classification criteria are not met		
Potential Adverse human health effects and symptoms	Harmful if swallowed. Harmful if inhaled.		

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cording to Federal Register / Vol. 77, No. 58 / Monday,			
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.		
Symptoms/injuries after eye contact	: Causes serious eye damage.		
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.		
SECTION 12: Ecological information			
2.1. Toxicity			
triethylene glycol monomethyl ether (112-35 LC50 fish 1			
EC50 other aquatic organisms 1	> 5000 mg/l (96 h; Brachydanio rerio; MEASURED CONCENTRATION)		
LC50 fish 2	 > 5000 mg/l (16 h; Activated sludge; CELL NUMBERS) > 10000 mg/l (96 h; Pimephales promelas) 		
TLM fish 1	> 1000 ppm (96 h; Pisces)		
TLM other aquatic organisms 1	> 1000 ppm (96 h)		
Threshold limit algae 1	> 500 mg/l (72 h; Scenedesmus subspicatus)		
methoxy polyethylene glycol 350 (9004-74-4) LC50 fish 1	> 10000 mg/l (Pimephales promelas)		
diethylene glycol (111-46-6)	E000 ppm (24 b) Corposition superiors)		
LC50 fish 1	> 5000 ppm (24 h; Carassius auratus)		
LC50 other aquatic organisms 1	1174 mg/l (Xenopus laevis)		
EC50 Daphnia 1	> 10000 mg/l (24 h; Daphnia magna)		
LC50 fish 2 TLM fish 1	61072 ppm (168 h; Poecilia reticulata)		
	> 32000 mg/l (96 h; Gambusia affinis)		
TLM other aquatic organisms 1 Threshold limit other aquatic organisms 1	 > 1000 ppm (96 h) 1174 mg/l (72 h; Xenopus laevis; TOXICITY TEST) 		
Threshold limit other aquatic organisms 1			
Threshold limit algae 1	10745 mg/l (16 h; Protozoa; TOXICITY TEST)		
Threshold limit algae 2	2700 mg/l (168 h; Scenedesmus quadricauda) 100 mg/l (Selenastrum capricornutum)		
triethylene glycol monobutyl ether (143-22-6			
LC50 fish 1	2400 mg/l (96 h; Pimephales promelas; Static system)		
EC50 Daphnia 1	3200 mg/l (24 h; Daphnia magna)		
LC50 fish 2	2200 mg/l (96 h; Leuciscus idus)		
EC50 Daphnia 2	> 500 mg/l (48 h; Daphnia magna)		
tetraethylene glycol (112-60-7)			
LC50 fish 1	> 5000 mg/l (24 h; Carassius auratus)		
polyethylene glycol 200-600 (25322-68-3)			
LC50 fish 1	> 1000 mg/l (96 h; Pisces)		
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)		
LC50 fish 2	> 5000 mg/l (24 h; Carassius auratus)		
Threshold limit other aquatic organisms 1	<= 100 mg/l (96 h; Plankton)		
Threshold limit other aquatic organisms 2	> 1000 mg/l		
Threshold limit algae 2	500 mg/l (720 h; Algae; NO EFFECT)		
3,6,9,12-tetraoxahexadecane-1-ol (1559-34-8			
LC50 fish 1	> 1409 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)		
EC50 Daphnia 1	> 1000 mg/l (48 h; Daphnia magna)		
2.2. Persistence and degradability			
PETRA DOT 4 BRAKE FLUID 12/32 OZ			
Persistence and degradability	Not established.		
TRIETHYLENE GLYCOL MONOMETHYL BOP Persistence and degradability	Not established.		
· · ·			
triethylene glycol monomethyl ether (112-35			
	Inherently biodegradable. Non degradable in the soil. Photodegradation in the air.		
Persistence and degradability			
Persistence and degradability methoxy polyethylene glycol 350 (9004-74-4)			
÷ ·	Not readily biodegradable in water.		
methoxy polyethylene glycol 350 (9004-74-4)			

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diethylene glycol (111-46-6)			
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 O ² /g substance		
BOD (% of ThOD)	0.015 % ThOD		
triethylene glycol monobutyl ether (143-22	2-6)		
Persistence and degradability	Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	0.02 g O ² /g substance		
Chemical oxygen demand (COD)	1.83 g O ² /g substance		
tetraethylene glycol (112-60-7)			
Persistence and degradability	Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	0.50 g O ² /g substance (10d)		
ThOD	2.23 g O ² /g substance		
BOD (% of ThOD)	28.6 % ThOD		
polyethylene glycol 200-600 (25322-68-3)			
Persistence and degradability	Biodegradability in water: no data available.		
,			
3,6,9,12-tetraoxahexadecane-1-ol (1559-34			
Persistence and degradability	Not readily biodegradable in water. Inherently biodegradable.		
ThOD	2.05 g O ² /g substance		
I2.3. Bioaccumulative potential			
PETRA DOT 4 BRAKE FLUID 12/32 OZ			
Bioaccumulative potential	Not established.		
TRIETHYLENE GLYCOL MONOMETHYL B	ORATE ESTER (71243-41-9)		
Bioaccumulative potential	Not established.		
•			
triethylene glycol monomethyl ether (112-35-6)			
Log Pow Bioaccumulative potential	-1.13 Bioaccumulation: not applicable.		
methoxy polyethylene glycol 350 (9004-74			
methoxy polyethylene glycol 350 (9004-74 Bioaccumulative potential	Not bioaccumulative.		
Bioaccumulative potential			
Bioaccumulative potential diethylene glycol (111-46-6)	Not bioaccumulative.		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential	Not bioaccumulative. -1.98 Bioaccumulation: not applicable.		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow	Not bioaccumulative. -1.98 Bioaccumulation: not applicable.		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6)		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value)		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7)	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3)	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3)	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow Bioaccumulative potential 3,6,9,12-tetraoxahexadecane-1-ol (1559-34 Log Pow	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow Bioaccumulative potential 3,6,9,12-tetraoxahexadecane-1-ol (1559-34	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow Bioaccumulative potential 3,6,9,12-tetraoxahexadecane-1-ol (1559-34 Log Pow	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow Bioaccumulative potential 3,6,9,12-tetraoxahexadecane-1-ol (1559-34 Log Pow Bioaccumulative potential 12.4. Mobility in soil	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		
Bioaccumulative potential diethylene glycol (111-46-6) Log Pow Bioaccumulative potential triethylene glycol monobutyl ether (143-22 Log Pow Bioaccumulative potential tetraethylene glycol (112-60-7) Log Pow Bioaccumulative potential polyethylene glycol 200-600 (25322-68-3) Log Pow Bioaccumulative potential 3,6,9,12-tetraoxahexadecane-1-ol (1559-34 Log Pow Bioaccumulative potential	Not bioaccumulative. -1.98 Bioaccumulation: not applicable. 2-6) 0.51 (Experimental value) Low potential for bioaccumulation (Log Kow < 4).		

methoxy polyethylene glycol 350 (9004-74-4)		
Surface tension	0.04 N/m	
diethylene glycol (111-46-6)		
Surface tension	0.0485 N/m	

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tetraethylene glycol	(112-60-7)		
Surface tension		0.019 N/m	
12.5. Other advers	e effects		
Other information		: Avoid release to the environment.	
SECTION 13: Disp	osal consideration	S	
	ent methods		
Waste disposal recomm		: Dispose in a safe manner in accordance with local/national regulations. Dispose of	
		contents/container to	
Ecology - waste materia		: Avoid release to the environment.	
SECTION 14: Tran	sport information R / RID / ADNR / IMDG / IG	CAO / IATA	
US DOT (ground):	NOT REGULATED,		
ICAO/IATA (air):	NOT REGULATED,		
IMO/IMDG (water):	NOT REGULATED,		
14.2. UN proper sh	nipping name		
DOT Proper Shipping N		: NOT REGULATED	
14.3. Additional info	rmation		
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			
	ulatory information		
15.1. US Federal regul			
PETRA DOT 4 BRAK			
		ances Control Act) inventory	
SARA Section 311/31:		Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard	
TRIETHYLENE GLYCOL MONOMETHYL BORATE ESTER (71243-41-9)			
Listed on the United S	tates TSCA (Toxic Substa	ances Control Act) inventory	
15.2. International reg	ulations		
CANADA			
	n DSL (Domestic Substar	RATE ESTER (71243-41-9)	
EU-Regulations		les List inventory.	
TRIETHYLENE GLYCOL MONOMETHYL BORATE ESTER (71243-41-9) Listed on European List of Notified Chemical Substances (ELINCS)			
Classification according to Regulation (EC) No. 1272/2008 [CLP]			
Classification according to Directive 67/548/EEC or 1999/45/EC Not classified			
15.2.2. National regulations			
PETRA DOT 4 BRAKE FLUID 12/32 OZ			
Listed on the AICS (the Australian Inventory of Chemical Substances)			

EN (English US)

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15.3. US State regulations

TRIETHYLENE GLYCOL MONOMETHYL BORATE ESTER (71243-41-9)

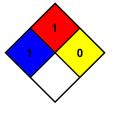
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

SECTION 16: Other information

Indication of changes	: Revision - See : *.	
Other information	: None.	
Full text of H-phrases: see section 16:		
Acute Tox. 4 (Dermal)		Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)		Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
Eye Dam. 1		Serious eye damage/eye irritation Category 1
Eye Irrit. 2B		Serious eye damage/eye irritation Category 2B
STOT RE 2		Specific target organ toxicity (repeated exposure) Category 2
H302		Harmful if swallowed
H312		Harmful in contact with skin
H318		Causes serious eye damage
H332		Harmful if inhaled
H373		May cause damage to organs through prolonged or repeated
		exposure

: 1 - Exposure could cause irritation but only minor residual

	injury even if no treatment is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

NFPA health hazard

Health	:	2 Moderate Hazard - Temporary or minor injury may occur
Flammability	:	1 Slight Hazard
Physical	:	0 Minimal Hazard

SDS US (GHS HazCom 2012) - Technical Chemical

The Supplier identified in Section 1 of this MSDS 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