

Safety Data Sheet

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

Revision date: 08/08/2017 Supersedes:12/07/2015 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Trade name : PETRA LOW BOIL DOT 3 BRAKE FLUID 12 FL.OZ.

Product code : PETRA6312

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

Petra Oil Company 11085 Regency Green Drive Cypress, TX 77429 T 713-856-5700

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Repr. 2 H361 STOT RE 2 H373

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Signal word (GHS-US)

Hazard pictograms (GHS-US)



GHS07



: Danger

Hazard statements (GHS-US) : 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 (kidneys, central nervous system) through prolonged or

repeated exposure (oral, Inhalation)

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 not contributing to the classification

: None under normal conditions.

08/08/2017 EN (English US) 1/9

Safety Data Sheet

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

Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/Information on ingredients

Substances

Not applicable

3.2. **Mixtures**

Name	Product identifier	%	GHS-US classification
2-(2-propoxyethoxy)ethanol	(CAS No) 6881-94-3	40 - 60	Flam. Liq. 4, H227
Diethylene Glycol	(CAS No) 111-46-6	10 - 20	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Triethylene Glycol Monobutyl Ether	(CAS No) 143-22-6	10 - 20	Eye Dam. 1, H318
Triethylene Glycol Monomethyl Ether	(CAS No) 112-35-6	10 - 15	Not classified
2-(2-Butoxyethoxy) Ethanol	(CAS No) 112-34-5	5 - 10	Eye Irrit. 2A, H319

The exact percentage is a trade secret.

SECTION 4: First aid measures

Description of first aid measures

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

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service. Allow First-aid measures after inhalation

victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact Wash with water and soap. Remove contaminated clothing. 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.

Fatal if swallowed. Immediately consult a doctor/medical service. Victim is fully conscious: First-aid measures after ingestion immediately induce vomiting. Rinse mouth. Do NOT induce vomiting. Obtain emergency

medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

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

: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Symptoms/injuries after inhalation

Symptoms/injuries after skin contact : May cause moderate irritation. Causes skin irritation. Itching. Red skin. Skin rash/inflammation.

Symptoms/injuries after eye contact Causes serious eye damage. Inflammation/damage of the eye tissue. Irritation of the eye

tissue. Redness of the eye tissue.

Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

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.

Special hazards arising from the substance or mixture

No additional information available

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.

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

SECTION 6: Accidental release measures

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.

08/08/2017 EN (English US) 2/9

Safety Data Sheet

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

Environmental precautions

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

Methods and material for containment and cleaning up

For containment

Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the

leak, cut off the supply.

Methods for cleaning up

Absorbed substance: shovel into drums. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

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

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. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Remove contaminated clothes. Take off immediately all contaminated clothing and wash it before reuse.

Conditions for safe storage, including any incompatibilities

Technical measures

: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions

: Keep cool. Store in a dry place. Keep only in the original container in a cool, well ventilated

place away from : Keep container closed when not in use. : Oxidizing agent. Strong bases. Strong acids.

Incompatible products

: Sources of ignition. Direct sunlight.

Incompatible materials Special rules on packaging

: Keep only in original container.

Specific end use(s)

Follow Label Directions.

SECTION 8: Exposure controls/personal protection

Control parameters

2-(2-Butoxyethoxy) Ethai	nol (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)
9.2 Evpocure contro	le .	

Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Local exhaust venilation, vent hoods . Ensure good ventilation of the work station.

Personal protective equipment

Gloves. Safety glasses. Avoid all unnecessary exposure.



Materials for protective clothing

: GIVE EXCELLENT RESISTANCE:

Hand protection

: Wear protective gloves.

Eye protection

Chemical goggles or face shield. Chemical goggles or safety glasses.

Skin and body protection

Wear chemically resistant protective gloves. Protective clothing. Wear suitable protective

Respiratory protection

Insufficient ventilation: wear respiratory protection. Wear gas mask if concentration in air >

exposure limit. Wear appropriate mask.

Environmental exposure controls

Avoid release to the environment

Consumer exposure controls

: Avoid contact during pregnancy/while nursing.

Other information

: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liauid **Appearance** : Liquid.

08/08/2017 EN (English US) 3/9

Safety Data Sheet

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

Color : Amber. Yellow.
Odor : Mild . Ether-like odour.
Odor threshold : No data available

pH : 10.5

Relative evaporation rate (butyl acetate=1) : No data available Melting point : No data available

Freezing point : -50 °C

Boiling point : 205 °C

Flash point : 203 °C

Auto-ignition temperature : 310 °C

Decomposition temperature : No data available Flammability (solid, gas) : No data available : Not Determined Vapor pressure Relative vapor density at 20 °C : Not Determined : 1.03 - 1.07 Relative density Specific gravity / density : 8.33 - 9.02 lb/gal Solubility : Soluble in water. Log Pow : No data available Log Kow : No data available Viscosity, kinematic < 1500 cSt : No data available Viscosity, dynamic Explosive properties : No data available Oxidizing properties : No data available : No data available **Explosion limits**

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Direct sunlight. 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 : Oral: Harmful if swallowed.

2-(2-propoxyethoxy)ethanol (6881-94-3)		
LD50 oral rat	6661 mg/kg (Rat)	
LD50 dermal rabbit	5048 mg/kg (Rabbit)	
Diethylene Glycol (111-46-6)		
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)	
Triethylene Glycol Monomethyl Ether (112-35-6)		
LD50 oral rat	11865 mg/kg (Rat)	

08/08/2017 EN (English US) 4/9

Safety Data Sheet

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

Triethylene Glycol Monomethyl Ether (112-35-6)		
LD50 dermal rabbit	7455 mg/kg (Rabbit)	
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)	
Skin corrosion/irritation	: Causes skin irritation.	
	pH: 10.5	
Serious eye damage/irritation	: Causes serious eye damage.	
	pH: 10.5	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	
Specific target organ toxicity – single exposure	: Not classified	
Specific target organ toxicity – repeated exposure	: May cause damage to organs (kidneys, central nervous system) through prolonged or repeated exposure (oral, Inhalation).	
Aspiration hazard	: Not classified	
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if swallowed.	
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Symptoms/injuries after skin contact	: May cause moderate irritation. Causes skin irritation. Itching. Red skin. Skin rash/inflammation.	
Symptoms/injuries after eye contact	: Causes serious eye damage. Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.	
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.	

SECTION 12: Ecological information

12.1. Toxicity

Diethylene Glycol (111-46-6)

Ecology - general : No data available.

LC50 fish 1	> 5000 ppm (LC50; 24 h)	
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h)	
Triethylene Glycol Monobutyl Ether (143-22-6)		
LC50 fish 2	2200 mg/l (LC50; 96 h)	
EC50 Daphnia 2	> 500 mg/l (EC50; 48 h)	
Threshold limit algae 1	> 500 mg/l (EC50; 72 h)	
Triethylene Glycol Monomethyl Ether (112-35-6)		
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)	
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 Daphnia 2	> 100 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)	
12.2 Persistence and degradability		

12.2. Persistence and degradability

PETRA LOW BOIL DOT 3 BRAKE FLUID 12 FL.OZ.		
Persistence and degradability	Not established.	
2-(2-propoxyethoxy)ethanol (6881-94-3)		
Persistence and degradability	Biodegradability in water: no data available.	
Diethylene Glycol (111-46-6)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Photolysis in the air.	
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	

08/08/2017 EN (English US) 5/9

Safety Data Sheet

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

Triethylene Glycol Monobutyl Ether (143-22-6			
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		
Triethylene Glycol Monomethyl Ether (112-35-	Triethylene Glycol Monomethyl Ether (112-35-6)		
Persistence and degradability	Inherently biodegradable. Non degradable in the soil. Photodegradation in the air. 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		
12.3. Bioaccumulative potential			
PETRA LOW BOIL DOT 3 BRAKE FLUID 12 FI	OZ.		
Bioaccumulative potential	Not established.		
2-(2-propoxyethoxy)ethanol (6881-94-3)			
Bioaccumulative potential	No bioaccumulation data available.		
Diethylene Glycol (111-46-6)			
BCF fish 1	100 (BCF; Other; 3 days; Leuciscus melanotus; Static system; Fresh water; Experimental value)		
Log Pow	-1.98 (Calculated; Other)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
Triethylene Glycol Monobutyl Ether (143-22-6			
Log Pow	0.51 (Experimental value)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
Triethylene Glycol Monomethyl Ether (112-35-6)			
Log Pow	-1.13		
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.		
2-(2-Butoxyethoxy) Ethanol (112-34-5)			
BCF fish 1	0.46 (BCF)		
Log Pow	0.56 (Experimental value)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
12.4. Mobility in soil			
Diethylene Glycol (111-46-6)			
Surface tension	0.0485 N/m		
Log Koc	Koc,SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value		
Triethylene Glycol Monomethyl Ether (112-35-6)			
Surface tension	0.0314 N/m		
2-(2-Butoxyethoxy) Ethanol (112-34-5)			
Surface tension	0.034 N/m (25 °C)		
12.5. Other adverse effects			
	· Avoid release to the environment		
Other information	: Avoid release to the environment.		
SECTION 13: Disposal considerations			

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.

EN (English US) 08/08/2017 6/9

Safety Data Sheet

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

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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

BRAKE FLUID, OTHER THAN PETROLEUM

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

PETRA LOW BOIL DOT 3 BRAKE FLUID 12 FL.OZ.	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not Lisited
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard

Triethylene Glycol Monobutyl Ether (143-22-6)

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

2-(2-Butoxyethoxy)	Ethanol (112-34-5)
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Subject to reporting requirements of United States SARA Section 313		
	Immediate (acute) health hazard Delayed (chronic) health hazard Reactive hazard	

15.2. International regulations

CANADA

Triethylene Glycol Monomethyl Ether (112-35-6)	
2-(2-Butoxyethoxy) Ethanol (112-34-5)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

Triethylene Glycol Monomethyl Ether (112-35-6)

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

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

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

Xi; R41

Full text of R-phrases: see section 16

08/08/2017 EN (English US) 7/9

Safety Data Sheet

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

15.2.2. National regulations

PETRA LOW BOIL DOT 3 BRAKE FLUID 12 FL.OZ.

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian NDSL (Non-Domestic Substances List)

Triethylene Glycol Monomethyl Ether (112-35-6)

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

15.3. US State regulations

PETRA LOW BOIL DOT 3 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
U.S California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S Pennsylvania - RTK (Right to Know) List

2-(2-propoxyethoxy)ethanol (6881-94-3)				
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	Non-significant risk level (NSRL)
No	No	No	No	

Diethylene Glycol (111-46-6)				
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	Non-significant risk level (NSRL)
No	No	No	No	

Triethylene Glycol Monobutyl Ether (143-22-6)				
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	Non-significant risk level (NSRL)
No	No	No	No	

Triethylene Glycol Monomethyl Ether (112-35-6)				
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	Non-significant risk level (NSRL)
No	No	No	No	

2-(2-Butoxyethoxy) Ethanol (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	Non-significant risk level (NSRL)
No	No	No	No	

Triethylene Glycol Monobutyl Ether (143-22-6)

State or local regulations

- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. New Jersey Right to Know Hazardous Substance List

Triethylene Glycol Monomethyl Ether (112-35-6)

State or local regulations

- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. New Jersey Right to Know Hazardous Substance List

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

State or local regulations

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

08/08/2017 EN (English US) 8/9

Safety Data Sheet

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

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

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

5 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	

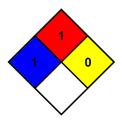
NFPA health hazard : 1 - Exposure could cause irritation but only minor residual

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

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard

Personal Protection : B

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

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.

08/08/2017 EN (English US) 9/9