

# Safety Data Sheet

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

Revision date: 09/03/2014 :

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : FVP DOT 4 Brake Fluid

Product code : FVPBF4-12

#### 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

**Factory Motor Parts** 

1380 Corporate Center Curve, Suite 200

Eagan, MN 55121 1-866-387-3343

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300

#### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

#### Classification (GHS-US)

Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Inhalation:dust,mist) H332
Skin Irrit. 2 H315
Eye Dam. 1 H318
STOT RE 2 H373
Full text of H-phrases: see section 16

#### 2.2. Label elements

### **GHS-US** labeling

Hazard pictograms (GHS-US)



GHS07



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H302+H332 - Harmful if swallowed or if inhaled

H315 - Causes skin irritation

H318 - Causes serious eye damage

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

Precautionary statements (GHS-US) : P260 - Do not breathe dust, fumes, gas, mist, vapor spray

P261 - Avoid breathing dust, fumes, gas, mist, vapor spray P264 - Wash affected areas thoroughly after handling P270 - Do not 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 poison center/doctor/... if you feel unwell

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

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, physician

P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell.

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

P330 - Rinse mouth

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

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.

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#### 2.4. Unknown acute toxicity (GHS-US)

No data available

#### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
2,5,8,11-Tetraoxatridecan-13-ol, mixed esters with boric acid	(CAS No) 176022-80-3	15 - 40	Not classified
triethylene glycol monomethyl ether	(CAS No) 112-35-6	10 - 30	Not classified
methoxy polyethylene glycol 350	(CAS No) 9004-74-4	10 - 30	Not classified
triethylene glycol monobutyl ether	(CAS No) 143-22-6	8 - 18	Eye Dam. 1, H318
POLYALKYLENE GLYCOL MONOBUTYL ETHER	(CAS No) 9004-77-7	7 - 13	Not classified
tetraethylene glycol	(CAS No) 112-60-7	1 - 10	Not classified
3,6,9,12-tetraoxatetradecane-1,14-diol	(CAS No) 4792-15-8	1 - 5	Not classified
triethylene glycol	(CAS No) 112-27-6	1 - 5	Not classified
diisopropanolamine	(CAS No) 110-97-4	<= 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 effects, 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 skin contact : May cause moderate irritation.
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 substance 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. Prevent fire-fighting water from entering environment.

Protection 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

General measures : Remove ignition sources. Use special care to avoid static electric charges.

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.

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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. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill.

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

spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Use only outdoors or in a well-ventilated area. 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.

#### 7.2. Conditions for safe storage, including 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.

#### 7.3. Specific end use(s)

Follow Label Directions.

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

#### 8.1. Control parameters

#### 2,5,8,11-Tetraoxatridecan- 13-ol, mixed esters with boric acid (176022-80-3)

USA ACGIH ACGIH TWA (mg/m³) 2 mg/m³

# 8.2. Exposure controls

Appropriate engineering controls : Local exhaust ventilation, vent hoods.

Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.





Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Colorless to pale yellow liquid.
Color : Colourless to light yellow.
Odor : Mild . Ammoniacal.
Odor threshold : No data available

pH : 7-9

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

Melting point : <-59 °C

Freezing point : No data available

Boiling point : > 243 °C

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Solubility

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: > 121 °C Flash point

Auto-ignition temperature : No data available : No data available Decomposition temperature Flammability (solid, gas) : No data available : < 0.01 mm Hg Estimated Vapor pressure

Relative vapor density at 20 °C : No data available Relative density : 1.03 - 1.08

> Soluble in water. Water: 100% Estimated

No data available

Log Pow Log Kow : No data available

: 1100 mm²/s @ -40 deg C Estimated Viscosity, kinematic

Viscosity, dynamic : No data available Explosive properties : No data available Oxidizing properties : No data available Explosive limits : No data available

9.2. Other information

VOC content : 0 %

# **SECTION 10: Stability and reactivity**

#### Reactivity

No additional information available

#### 10.2. **Chemical stability**

Not established.

#### Possibility of hazardous reactions 10.3.

Not established.

#### **Conditions to avoid** 10.4.

Direct sunlight. Extremely high or low temperatures.

# Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

# **Hazardous decomposition products**

Toxic fume. . Carbon monoxide. Carbon dioxide.

# **SECTION 11: Toxicological information**

# Information on toxicological effects

: Harmful if swallowed. Harmful if inhaled. Acute toxicity

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)	
LD50 oral rat	22000 mg/kg (Rat)
LD50 dermal rabbit	> 20000 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)
triethylene glycol (112-27-6)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
diisopropanolamine (110-97-4)	
LD50 oral rat	4765 mg/kg (Rat)
LD50 dermal rat	16000 mg/kg (Rat)

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diisopropanolamine (110-97-4)	diisopropanolamine (110-97-4)	
LD50 dermal rabbit	8000 mg/kg (Rabbit)	
Skin corrosion/irritation	: Causes skin irritation.	
	pH: 7 - 9	
Serious eye damage/irritation	: Causes serious eye damage.	
	pH: 7 - 9	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified. Based on available data, the classification criteria are not met :	
Carcinogenicity	Not classified	

POLYALKYLENE GLYCOL MONOBUTYL ETHER (9004-77-7)		
IARC group	4	
Reproductive toxicity	: Not classified. Based 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 May cause damage to organs through prolonged or repeated exposure	
Aspiration hazard	: Not classified. Based on available data, the classification criteria are not met	
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.	
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**

# 12.1. Toxicity

triethylene glycol monomethyl ether (112-35-6)		
LC50 fish 1	> 5000 mg/l (96 h; Brachydanio rerio; Measured concentration)	
EC50 other aquatic organisms 1	> 5000 mg/l (16 h; Activated sludge; Cell numbers)	
LC50 fish 2	> 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)	
triethylene glycol monobutyl ether (143-22-6)		
LC50 fish 1	2400 mg/l (96 h; Pimephales promelas)	
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)	
Threshold limit algae 1	> 500 mg/l (72 h; Scenedesmus subspicatus)	
tetraethylene glycol (112-60-7)		
LC50 fish 1	> 5000 mg/l (24 h; Carassius auratus)	
triethylene glycol (112-27-6)		
LC50 fish 1	59900 mg/l (96 h; Pimephales promelas)	
EC50 Daphnia 1	42426 mg/l (48 h; Daphnia magna)	
LC50 fish 2	61000 mg/l (96 h; Lepomis macrochirus)	
TLM fish 1	> 1000 ppm (96 h; Pisces)	
TLM other aquatic organisms 1	> 1000 ppm (96 h)	
Threshold limit algae 1	3600 mg/l (168 h; Microcystis aeruginosa)	
Threshold limit algae 2	> 10000 mg/l (168 h; Scenedesmus quadricauda)	
diisopropanolamine (110-97-4)		
LC50 fish 1	1000 - 2200 mg/l (96 h; Brachydanio rerio; pH > 7)	
LC50 other aquatic organisms 1	100 - 1000 mg/l (48 h; Xenopus laevis)	
EC50 Daphnia 1	353.8 mg/l (24 h; Daphnia magna)	

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diisopropanolamine (110-97-4)		
LC50 fish 2	1100 mg/l (24 h; Carassius auratus)	
LC50 other aquatic organisms 2	410 mg/l	
EC50 Daphnia 2	277.7 mg/l (48 h; Daphnia magna)	
Threshold limit other aquatic organisms 1	100 - 1000,48 h; Xenopus laevis	
Threshold limit other aquatic organisms 2	410 mg/l	
Threshold limit algae 1	270 mg/l (72 h; Scenedesmus subspicatus)	
12.2. Persistence and degradability		
JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.		
Persistence and degradability	Not established.	
-		
triethylene glycol monomethyl ether (112-35-	•	
Persistence and degradability	Inherently biodegradable. Non degradable in the soil. Photodegradation in the air.	
methoxy polyethylene glycol 350 (9004-74-4)		
Persistence and degradability	Not readily biodegradable in water.	
BOD (% of ThOD)	(28 day(s)) 0.1	
triethylene glycol monobutyl ether (143-22-6)		
Persistence and degradability	Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.02 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	1.83 g O <sub>2</sub> /g substance	
tetraethylene glycol (112-60-7)		
Persistence and degradability	Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.50 g O <sub>2</sub> /g substance (10d)	
ThOD	2.23 g O <sub>2</sub> /g substance	
BOD (% of ThOD)	0.286 % ThOD	
POLYALKYLENE GLYCOL MONOBUTYL ETH		
Persistence and degradability	Not established.	
3,6,9,12-tetraoxatetradecane-1,14-diol (4792-1	5-8)	
Persistence and degradability	Biodegradability in water: no data available.	
ų ,	Biodegradability in water: no data available.	
triethylene glycol (112-27-6)		
triethylene glycol (112-27-6) Persistence and degradability	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air.	
triethylene glycol (112-27-6)	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. $0.03 \ g \ O_2 \ /g$ substance	
triethylene glycol (112-27-6) Persistence and degradability Biochemical oxygen demand (BOD)	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. 0.03 g $O_2$ /g substance 1.57 g $O_2$ /g substance	
triethylene glycol (112-27-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. $0.03 \ g \ O_2 \ /g$ substance	
triethylene glycol (112-27-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD diisopropanolamine (110-97-4)	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. $0.03 \text{ g O}_2 \text{ /g substance} \\ 1.57 \text{ g O}_2 \text{ /g substance} \\ 1.6 \text{ g O}_2 \text{ /g substance}$	
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triethylene glycol (112-27-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD diisopropanolamine (110-97-4) Persistence and degradability  12.3. Bioaccumulative potential	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. $0.03 \text{ g O}_2 \text{ /g substance} \\ 1.57 \text{ g O}_2 \text{ /g substance} \\ 1.6 \text{ g O}_2 \text{ /g substance}$	
triethylene glycol (112-27-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  diisopropanolamine (110-97-4) Persistence and degradability  12.3. Bioaccumulative potential JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. $0.03 \text{ g O}_2 \text{ /g substance} \\ 1.57 \text{ g O}_2 \text{ /g substance} \\ 1.6 \text{ g O}_2 \text{ /g substance} \\ \text{Not readily biodegradable in water.} \\ \\ \text{Not established.}$	
triethylene glycol (112-27-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD  diisopropanolamine (110-97-4) Persistence and degradability  12.3. Bioaccumulative potential  JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ. Bioaccumulative potential	Inherently biodegradable. Readily biodegradable in water. Photolysis in the air. $0.03 \text{ g O}_2 \text{ /g substance} \\ 1.57 \text{ g O}_2 \text{ /g substance} \\ 1.6 \text{ g O}_2 \text{ /g substance} \\ \text{Not readily biodegradable in water.} \\ \\ \text{Not established.}$	
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3,6,9,12-tetraoxatetradecane-1,14-diol (4792-15-8)		
Bioaccumulation: not applicable.		
triethylene glycol (112-27-6)		
-2.081.17 (Calculated)		
Low potential for bioaccumulation (Log Kow < 4).		
diisopropanolamine (110-97-4)		
-0.79		
Bioaccumulation: not applicable.		

#### 12.4. Mobility in soil

triethylene glycol monomethyl ether (112-35-6)		
Surface tension	0.0314 N/m	
methoxy polyethylene glycol 350 (9004-74-4)		
Surface tension	0.04 N/m	
tetraethylene glycol (112-60-7)		
Surface tension	0.019 N/m	
triethylene glycol (112-27-6)		
Surface tension	0.045 N/m (20 °C)	

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

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

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

national, international regulations.

Ecology - waste materials

: Avoid release to the environment.

# **SECTION 14: Transport information**

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

DOT Proper Shipping Name : 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

#### 15.2. International regulations

#### **CANADA**

No additional information available

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#### **EU-Regulations**

No additional information available

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

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

Not classified

#### 15.2.2. National regulations

#### JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.

Listed on AICS (Australian Inventory of Chemical Substances)

#### 15.3. US State regulations

JOHNSEN'S DOT 4 BRAKE FLUID 12 FL.OZ.()	
State or local regulations	U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List

# **SECTION 16: Other information**

Indication of changes : Revision - See : \*.

Other information : None.

Full text of H-phrases: see section 16:

20 01 11 prindede: 666 6661611 16:	
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
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

NFPA health hazard : 2 - Intense or continued exposure could cause temporary

incapacitation or possible residual injury unless prompt

medical attention 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) - 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

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

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