

## Safety Data Sheet

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

Revision date: 04/11/2017 Supersedes: 09/19/2016 Version: 1.2

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : JOHNSEN'S UNIVERSAL POWER STEERING FLUID 32 FL.OZ.

Product code : 2932

Other means of identification : This product is not hazardous in accordance with US OSHA 29CFR1910.1200 (Hazcom 2012),

Canada Hazardous Products Regulations (WHMIS 2015) and the Globally Harmonized System

(GHS).

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

Use of the substance/mixture : Power Steering Fluid

### 1.3. Details of the supplier of the safety data sheet

Technical Chemical Company P.O. BOX 139 Cleburne, Texas 76033 T 817-645-6088

### 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

Not classified

#### 2.2. Label elements

#### **GHS-US** labeling

No labeling applicable

## 2.3. Other hazards

Other hazards not contributing to the

classification

: None under normal conditions.

## 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	%	GHS-US classification
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	(CAS No) 64742-52-5	85 - 95	Asp. Tox. 1, H304
Dibutyl Phosphonate	(CAS No) 1809-19-4	0.054 - 0.2646	Acute Tox. 4 (Dermal), H312
Tri-para-cresylphosphate	(CAS No) 78-32-0	0.054 - 0.2646	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Aquatic Chronic 2, H411
Toluene	(CAS No) 108-88-3	0.0054 - 0.0486	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Petroleum Naphtha	(CAS No) 64742-47-8	< 1	Flam. Liq. 3, H226 Asp. Tox. 1, H304

The exact percentage is a trade secret.

### **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures general : Respiratory arrest: artificial respiration or oxygen. 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 : Remove the victim into fresh air. Allow victim to breathe fresh air. Allow the victim to rest.

11/04/2017 EN (English US) 1/10

## Safety Data Sheet

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

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 eve contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persist.

First-aid measures after ingestion Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : If you feel unwell, seek medical advice. Not expected to present a significant hazard under

anticipated conditions of normal use.

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

May cause slight irritation . May cause moderate irritation. Itching. Red skin. Skin Symptoms/injuries after skin contact

rash/inflammation.

Symptoms/injuries after eye contact May cause slight eye irritation . Irritation of the eye tissue. Inflammation/damage of the eye

tissue. Redness of the eye tissue.

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

#### Indication of any immediate medical attention and special treatment needed

No additional information available

## **SECTION 5: Firefighting measures**

#### **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.

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

#### **SECTION 6: Accidental release measures**

## Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources.

6.1.1. For non-emergency personnel

: Gloves. Safety glasses. Protective equipment

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

**Emergency procedures** : Ventilate area.

#### **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

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

leak, cut off the supply.

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

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.

Wash hands and other exposed areas with mild soap and water before eating, drinking or Hygiene measures

smoking and when leaving work. Wash contaminated clothing before reuse. Remove contaminated clothes. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Separate working clothes from town

clothes. Launder separately. Wash affected areas thoroughly after handling.

11/04/2017 EN (English US) 2/10

## Safety Data Sheet

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

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

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

applicable regulations.

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

closed when not in use.

Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

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

Follow Label Directions.

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

## 8.1. Control parameters

Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)				
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ MIST 8 HOURS		
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ MIST 8 HOURS		
White Mineral Oil (Petroleum	n) (8042-47-5)			
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)		
USA ACGIH	ACGIH STEL (mg/m³)	10 mg/m³		
Toluene (108-88-3)	Toluene (108-88-3)			
USA ACGIH	ACGIH TWA (mg/m³)	75 mg/m³		
USA ACGIH	ACGIH TWA (ppm)	20 ppm		
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm		
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm		

## 8.2. Exposure controls

Decomposition temperature

Appropriate engineering controls : 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 safety glasses.
Skin and body protection : Wear suitable protective clothing.

Respiratory protection : 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**

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

Physical state : Liquid
Appearance : Liquid.

Color : Colourless to yellow. Petroleum-like odour. Odor Odor threshold No data available No data available pΗ Relative evaporation rate (butyl acetate=1) : No data available Melting point No data available Freezing point : No data available : 207 - 750 °C **Boiling point** Flash point : 174 °C : No data available Auto-ignition temperature

11/04/2017 EN (English US) 3/10

: No data available

## Safety Data Sheet

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

Flammability (solid, gas) : No data available

Vapor pressure : > 1 mm Hg @ 20 deg C

Relative vapor density at 20 °C : No data available

Relative density : 0.9

: Insoluble in water. Solubility Log Pow : No data available : No data available Log Kow : 35.5 cSt @ 40 Deg C Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties Oxidizing properties : No data available Explosion limits : No data available

9.2. Other information

VOC content : < 1 %

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

## 10.3. Possibility of hazardous reactions

Not established.

## 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

Acute toxicity : Not classified

Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)			
LD50 oral rat	> 5000 mg/kg body weight		
White Mineral Oil (Petroleum) (8042-47-5)			
LD50 oral rat	> 5000 mg/kg (Rat; Experimental value,Rat; Experimental value)		
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value,Rabbit; Experimental value)		
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat; Experimental value)		
2,6-Di-tert-butylphenol (128-39-2)			
LD50 oral rat	> 2000 mg/kg (Rat)		
LD50 dermal rat	> 1000 mg/kg (Rat)		
LD50 dermal rabbit	> 10000 mg/kg (Rabbit)		
Dibutyl Phosphonate (1809-19-4)			
LD50 oral rat	3200 mg/kg (Rat)		
LD50 dermal rabbit	1990 mg/kg (Rabbit)		
Toluene (108-88-3)			
LD50 oral rat	5580 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)		
LD50 dermal rabbit	> 5000 mg/kg body weight LD50 quoted as 14.1 mL/kg (12267 mg/kg using density of 0.87)		
LC50 inhalation rat (mg/l)	> 28.1 mg/l/4h (Rat; Air, Literature study)		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		

11/04/2017 EN (English US) 4/10

## Safety Data Sheet

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

Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)		
IARC group	3	
White Mineral Oil (Petroleum) (8042-47-5)		
IARC group	3	
Toluene (108-88-3)		
IARC group	3	
Reproductive toxicity	: Not classified	
Specific target organ toxicity (single exposure)	: Not classified	
Specific target organ toxicity (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.	
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Symptoms/injuries after skin contact	: May cause slight irritation . May cause moderate irritation. Itching. Red skin. Skin rash/inflammation.	
Symptoms/injuries after eye contact	: May cause slight eye irritation . Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue.	
Symptoms/injuries after ingestion	$: \ \ \text{May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.}$	
SECTION 12: Ecological information		

## **SECTION 12: Ecological information**

## 12.1. Toxicity

White Mineral Oil (Petroleum) (8042-47-5)		
LC50 fish 1	> 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Static system; Fresh water; Experimental value)	
EC50 Daphnia 1	> 100 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)	
Threshold limit algae 1	>= 100 mg/l (NOEL; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Weight of evidence)	
2,6-Di-tert-butylphenol (128-39-2)		
EC50 Daphnia 1	0.45 mg/l (EC50; 48 h)	
Tri-para-cresylphosphate (78-32-0)		
LC50 fish 1	> 100 mg/l (LC50; 96 h)	
EC50 other aquatic organisms 1	> 5 mg/l (28 h; Scenedesmus quadricauda; Photosynthesis)	
2.2. Persistence and degradability		
JOHNSEN'S UNIVERSAL POWER STEERING	G FLUID 32 FL.OZ.	
Persistence and degradability	Not established.	
Distillates (Petroleum), Hydrotreated Heavy	Naphthenic (64742-52-5)	
Persistence and degradability	Not established.	
Petroleum Naphtha (64742-47-8)		
Persistence and degradability  Not established.		
White Mineral Oil (Petroleum) (8042-47-5)		
Persistence and degradability  Not readily biodegradable in water. Adsorbs into the soil.		
Lubricating Oils (Petroleum), C15-30, Hydro	treated Neutral Oil-Based (72623-86-0)	
Persistence and degradability  Not established.		
Paraffinum Liquidum (8012-95-1)		
Persistence and degradability	Not established.	
2,6-Di-tert-butylphenol (128-39-2)		
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water.	
BOD (% of ThOD)	0.077 (5 days; Literature study)	
Dibutyl Phosphonate (1809-19-4)		
Persistence and degradability Biodegradability in water: no data available. Photodegradation in the air.		
Toluene (108-88-3)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.	
Biochemical oxygen demand (BOD)	2.15 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	2.52 g O <sub>2</sub> /g substance	
ThOD 3.13 g O <sub>2</sub> /g substance		

11/04/2017 EN (English US) 5/10

## Safety Data Sheet

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

Toluene (108-88-3)		
BOD (% of ThOD)	0.69	
Tri-para-cresylphosphate (78-32-0)		
Persistence and degradability	Readily biodegradable in water.	
12.3. Bioaccumulative potential		
JOHNSEN'S UNIVERSAL POWER STEERING	FLUID 32 FL.OZ.	
Bioaccumulative potential	Not established.	
Distillates (Petroleum), Hydrotreated Heavy N	Japhthenic (64742-52-5)	
Bioaccumulative potential	Not established.	
Petroleum Naphtha (64742-47-8)		
Bioaccumulative potential	Not established.	
White Mineral Oil (Petroleum) (8042-47-5)		
Log Pow	> 6 (Calculated)	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).	
Lubricating Oils (Petroleum), C15-30, Hydrot		
Bioaccumulative potential	Not established.	
Paraffinum Liquidum (8012-95-1)		
Bioaccumulative potential	Not established.	
2,6-Di-tert-butylphenol (128-39-2)		
BCF fish 1	660 (BCF; 72 h)	
BCF other aquatic organisms 1	800 (BCF; 24 h)	
Log Pow	4.92	
Bioaccumulative potential	Not established.	
Dibutyl Phosphonate (1809-19-4)		
Log Pow	1.81 (Estimated value)	
Bioaccumulative potential	Bioaccumable.	
Toluene (108-88-3)		
BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)	
Log Pow	2.73 (Experimental value; Other; 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Tri-para-cresylphosphate (78-32-0)		
BCF fish 1	1589 (BCF; 168 h)	
Log Pow	5.34	
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).	
12.4. Mobility in soil		
Toluene (108-88-3)		
Surface tension	0.03 N/m (20 °C)	
Tri-para-cresylphosphate (78-32-0)		
Surface tension	0.044 N/m (25 °C)	
12.5. Other adverse effects		
Other information	: Avoid release to the environment.	
SECTION 13: Disposal considerations		

## Waste treatment methods

: 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, Waste disposal recommendations

national, international regulations.

Ecology - waste materials : Avoid release to the environment.

EN (English US) 11/04/2017 6/10

## 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

#### 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 UNIVERSAL POWER STEERING FLUID 32 FL.OZ.	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not Listed
SARA Section 313 - Emission Reporting Not Listed	

### Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)

SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard

### Petroleum Naphtha (64742-47-8)

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

SARA Section 311/312 Hazard Classes Fire hazard

Delayed (chronic) health hazard

## White Mineral Oil (Petroleum) (8042-47-5)

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

## Toluene (108-88-3)

Subject to reporting requirements of United States SARA Section 313 Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 302

SARA Section 311/312 Hazard Classes

Delayed (chronic) health hazard
Fire hazard

Immediate (acute) health hazard

## 15.2. International regulations

#### **CANADA**

## White Mineral Oil (Petroleum) (8042-47-5)

Listed on the Canadian DSL (Domestic Substances List)

## Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class B Division 2 - Flammable Liquid

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### **EU-Regulations**

## White Mineral Oil (Petroleum) (8042-47-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Toluene (108-88-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

11/04/2017 EN (English US) 7/10

## Safety Data Sheet

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

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

Carc.Cat.2; R45 R52/53

Full text of R-phrases: see section 16

#### 15.2.2. **National regulations**

White Mineral Oil (Petroleum) (8042-47-5)	
Toluene (108-88-3)	

## 15.3. US State regulations

JOHNSEN'S UNIVERSAL	POWER STEERING FLUID	32 FL.OZ.		
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Proposition Toxicity	n 65 - Developmental	No		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No		
U.S California - Proposition Toxicity - Male	n 65 - Reproductive	No		
State or local regulations		U.S California - Proposition	65	
Distillates (Petroleum), Hy	drotreated Heavy Naphthe	nic <b>(64742-52-5)</b>		
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	
Petroleum Naphtha (64742	2-47-8)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
White Mineral Oil (Petrole	um) (8042-47-5)			
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	
Lubricating Oils (Petroleu	m). C15-30. Hydrotreated N	eutral Oil-Based (72623-86-0)		
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	
Paraffinum Liquidum (801	2-95-1)			
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	
2,6-Di-tert-butylphenol (12		1110 0 111	1110 0 111	
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	
Dibutyl Phosphonate (180	9-19-4)			
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)

11/04/2017 EN (English US) 8/10

## Safety Data Sheet

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

Dibutyl Phosphonate (1809-19-4)				
No	No	No	No	
Toluene (108-88-3)				
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	Yes	No	No	
Tri-para-cresylphospha	nte (78-32-0)	<u> </u>		<u> </u>
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	

#### Toluene (108-88-3)

## State or local regulations

U.S. - California - Proposition 65

U.S. - New Jersey - Special Health Hazards Substances List

New Jersey Right-to-Know

U.S. - Massachusetts - Right To Know List

Rhode Island Right to Know

U.S. - Michigan - Critical Materials List

U.S. - New Jersey - Environmental Hazardous Substances List

U.S. - Illinois - Toxic Air Contaminants

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

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

### **SECTION 16: Other information**

Other information : None.

## Full text of H-phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

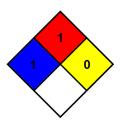
NFPA health hazard : 1 - Exposure could cause irritation but only minor residual

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 : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012) - TCC

11/04/2017 EN (English US) 9/10

## Safety Data Sheet

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

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.

11/04/2017 EN (English US) 10/10