

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 09/12/2014 :

Version:

SECTION 4. Identification of the cub	stones/mixture and of the company/undertaking
	stance/mixture and of the company/undertaking
1.1. Product identifier Product form	· Mixture
Product form Trade name	
Product code	: JOHNSEN'S WINDSHIELD WASHER CONCENTRATION 12 FL.OZ.
	: 2943
	tance or mixture and uses advised against
Use of the substance/mixture	: Windshield Washer Fluid
1.3. Details of the supplier of the safety of	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: Hozarda identification	
SECTION 2: Hazards identification 2.1. Classification of the substance or m	
Classification (GHS-US)	
Flam. Liq. 4H227Acute Tox. 3 (Oral)H301	
Acute Tox. 3 (Dermal) H311	
Acute Tox. 4 (Inhalation:dust,mist) H332 STOT SE 1 H370	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
	GHS06 GHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H227 - Combustible liquid
	H301+H311 - Toxic if swallowed or in contact with skin
	H332 - Harmful if inhaled H370 - Causes damage to organs
Precautionary statements (GHS-US)	: P210 - Keep away from heat,sparks,open flames,hot surfaces No smoking
	P260 - Do not breathe dust,fumes,gas,mist,vapor spray
	P261 - Avoid breathing dust,fume,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+P310 - If swallowed: Immediately call a poison control center, doctor, physician, 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
	P307+P311 - If exposed: Call a poison center/doctor
	P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell. P321 - Specific treatment: See section 4.1 on SDS
	P330 - Rinse mouth
	P361 - Take off immediately all contaminated clothing
	P363 - Wash contaminated clothing before reuse P370+P378 - In case of fire: See Section 5.1 Extinguishing Media
	P403+P235 - Store in a well-ventilated place. Keep cool
	P405 - Store locked up P501 Dispace of contents/container to appropriate waste dispaced facility, in accordance with
	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	: None under normal conditions.
05/11/2014	EN (English US) 1/9

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#### classification

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

#### No data available

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

#### Substance 3.1.

#### Not applicable

Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No) 7732-18-5	85 - 95	Not classified
Methanol	(CAS No) 67-56-1	10 - 30	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT SE 1, H370
Polyethylene Glycol 200-600	(CAS No) 25322-68-3	<= 0.0015	Not classified
Nonyl Nonoxynol-5	(CAS No) 9014-93-1	<= 0.001	Not classified
Hydrogen [4-[4-(Diethylamino)-2',4'- Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt	(CAS No) 129-17-9	~ 0.000001	Not classified

#### SECTION 4: First aid measures **Description of first aid measures** First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician. If you feel unwell, seek medical advice (show the label where possible). First-aid measures after inhalation 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. Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Specific measures (see ... on this label). Wash contaminated clothing before reuse. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water First-aid measures after eye contact for several minutes. Immediately call a POISON CENTER or doctor/physician. Obtain medical attention if pain, blinking or redness persist. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or First-aid measures after ingestion doctor/physician. 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 : May damage fertility or the unborn child. Causes damage to organs. Symptoms/injuries Danger of serious damage to health by prolonged exposure through inhalation. Harmful if Symptoms/injuries after inhalation inhaled. Symptoms/injuries after skin contact May cause slight irritation . Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. 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. Fatal if swallowed. Toxic if swallowed. Swallowing a small quantity of this material will result in Symptoms/injuries after ingestion 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 s	ubstance or mixture
Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
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.

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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. No naked lights. No smoking.	
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. Avoid breathing dust,fume,gas,mist,vapor spray.	
Emergency procedures	: Ventilate area.	
6.2. Environmental precautions		
Prevent entry to sewers and public waters. No	otify authorities if liquid enters sewers or public waters.	
6.3. Methods and material for contain	ment and cleaning up	
For containment	Dam up the liquid spill. Contain released substance, pump into suitable containers. Powdered form: no compressed air for pumping over spills.	
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 person	nal protection.	
SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	<ul> <li>Handle empty containers with care because residual vapors are flammable. Keep away from heat,sparks,open flames,hot surfaces No smoking.</li> </ul>	
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Obtain special instructions . 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. No naked lights. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing dust,fume,gas,mist,vapor spray. Do not breathe dust,fumes,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.	
7.2. Conditions for safe storage, inclu	uding 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. Keep in fireproof place.	
Incompatible products	: Strong bases. Strong acids.	
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.	
7.2 Creatific and use(a)		

7.3. Specific end use(s)

Follow Label Directions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Methanol (67-56-1)			
USA ACGIH	ACGIH TWA (mg/m³)	262 mg/m <sup>3</sup>	
USA ACGIH ACGIH TWA (ppm)		200 ppm	
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	328 mg/m <sup>3</sup>	
USA ACGIH	ACGIH STEL (ppm)	250 ppm	
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m <sup>3</sup>	
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm	

### 8.2. Exposure controls

Appropriate engineering controls

: Local exhaust venilation, vent hoods.

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Personal protective equipment

ent : 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	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and	9.1. Information on basic physical and chemical properties		
Physical state	: Liquid		
Appearance	: Liquid.		
Color	: Blue.		
Odor	: Mild.		
Odor threshold	: No data available		
рН	: 7		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: 79 °C		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: 0.98		
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			
VOC content	: 10 %		

SECTION 10: Stability and reactivity			
10.1. Reactivity			
No additional information available			
10.2. Chemical stability			
Combustible liquid. May form flammable/explosive vapor-air mixture.			
10.3. Possibility of hazardous reactions			
Not established.			
10.4. Conditions to avoid			
Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.			
10.5. Incompatible materials			
Strong acids. Strong bases.			
10.6. Hazardous decomposition products			
Toxic fume Carbon monoxide. Carbon dioxide. May release flammable gases.			

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## **SECTION 11: Toxicological information**

Information on toxicological effects 11.1.

Acute toxicity

: Toxic if swallowed. Toxic in contact with skin. Harmful if inhaled.

Polyethylene Glycol 200-600 (25322-68-3)		
LD50 oral rat	> 15000 mg/kg (Rat)	
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)	
Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129- 17-9)		
LD50 oral rat	3001 mg/kg (Rat)	
Methanol (67-56-1)		
LD50 oral rat	>= 2528 mg/kg body weight application as 50% aqueous solution	
LD50 dermal rabbit	17100 mg/kg corresponding to 20 ml/kg bw according to the authors	
LC50 inhalation rat (mg/l)	128.2 mg/l/4h Air	
Skin corrosion/irritation	: Not classified	
	pH: 7	
Serious eye damage/irritation	: Not classified	
	pH: 7	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met	
Carcinogenicity	: Not classified	

Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129- 17-9)		
IARC group		3
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Causes damage to organs.
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Potential Adverse human health effects and symptoms	:	Fatal if swallowed. Based on available data, the classification criteria are not met. Harmful if inhaled. Toxic if swallowed. Toxic in contact with skin.
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 slight irritation . Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
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	:	Fatal if swallowed. Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

## **SECTION 12: Ecological information**

12.1. Toxicity

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)
Methanol (67-56-1)	
LC50 fish 1	15400 mg/l (96 h; Lepomis macrochirus; Lethal)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna; Lethal)
LC50 fish 2	10800 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	24500 mg/l (48 h; Daphnia magna)
Threshold limit other aquatic organisms 1	6600 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	530 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	8000 mg/l (168 h; Scenedesmus quadricauda)

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SECTION 14: Tran	nsport information					
	R / RID / IMDG / IATA / AI					
US DOT (ground):	NA1993, Combustible liquid, n.o.s. (Methanol Mix), 3, III, Limited Quantity					
ICAO/IATA (air):	Not Regulated,					
IMO/IMDG (water):	Not Regulated,					
Special Provisions:	IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal					
14.2. UN proper sl	hipping name					
Proper Shipping Name		: Combustible liquid, n.o.s. (Methanol Mix)				
Department of Transportation (DOT) Hazard Classes		: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120				
DOT Symbols		: D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name				
Packing group (DOT) DOT Special Provisions		: III - Minor Danger : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite				
		<ul> <li>(31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>				
DOT Packaging Exceptions (49 CFR 173.xxx)		: 150				
DOT Packaging Non Bulk (49 CFR 173.xxx)		: 203				
DOT Packaging Bulk (4	19 CFR 173.xxx)	: 241				
14.3. Additional info	ormation					
Other information		: No supplementary information available.				
Overland transport						
No additional information	on available					
Transport by sea						
DOT Vessel Stowage L	ocation	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.				
Air transport DOT Quantity Limitations Passenger aircraft/rail		: 60 L				
(49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 :		: 220 L				
CFR 175.75)						
	ulatory information					
15.1. US Federal regul						
JOHNSEN'S WINDSHIELD WASHER CONCENTRATION 12 FL.OZ.           SARA Section 311/312 Hazard Classes         Delayed (chronic) health hazard						
SARA SECTION 311/31	z mazaru Ulasses	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard				
Methanol (67-56-1)						
Listed on United State						
	States TSCA (Toxic Substa	ances Control Act) inventory				

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard

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### 15.2. International regulations

CANADA				
JOHNSEN'S WINDSHIELD WASHER CONCENTRATION 12 FL.OZ.				
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects			
Methanol (67-56-1)				
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects 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**

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]

T; R39/23/24/25 Xn; R20/21/22 Full text of R-phrases: see section 16

### 15.2.2. National regulations

No additional information available

### 15.3. US State regulations

OFOTION 40

H331 H332

H370

No additional information available

SECTION 16: Other information					
Indication of changes		: Revision - See : *.			
Other information		: None.			
Full tex	t of H-phrases: see section 16:				
	Acute Tox. 3 (Dermal)		Acute toxicity (dermal) Category 3		
	Acute Tox. 3 (Inhalation:dust,mist)		Acute toxicity (inhalation:dust,mist) Category 3		
	Acute Tox. 3 (Oral)		Acute toxicity (oral) Category 3		
	Acute Tox. 4 (Inhalation:dust,mist)		Acute toxicity (inhalation:dust,mist) Category 4		
	Flam. Liq. 2		Flammable liquids Category 2		
	Flam. Liq. 4		Flammable liquids Category 4		
	STOT SE 1		Specific target organ toxicity (single exposure) Category 1		
	H225		Highly flammable liquid and vapor		
	H227		Combustible liquid		
	H301		Toxic if swallowed		
	H311		Toxic in contact with skin		

Toxic if inhaled

Harmful if inhaled

Causes damage to organs

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	: 2 - Must be moderately heated or exposed to relatively high temperature 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	: 2 Moderate Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: B

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SDS US (GHS HazCom 2012) - TCC

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

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