



# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

Revision date: 06/03/2015

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.  
Product code : 9024

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

Use of the substance/mixture : Windshield Washer Fluid

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

Petra Oil Company  
6100 West by Northwest Blvd. Ste. 190  
Ste 190  
Houston, TX 77040  
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

##### Classification (GHS-US)

Flam. Liq. 4 H227  
Acute 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

Hazard pictograms (GHS-US) :



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 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

### 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  | %          | Classification (GHS-US)  |
|---|---------------------|------------|--|
| Water   | (CAS No) 7732-18-5  | 85 - 95    | Not classified   |
| Methanol  | (CAS No) 67-56-1    | 5-10       | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation:dust,mist), H331<br>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   |

The exact percentage is a trade secret.

## 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 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 victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or 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. |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a poison center or doctor/physician. Obtain medical attention if pain, blinking or redness persist.  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.  |

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

|                                      |   |
|--------------------------------------|---|
| Symptoms/injuries                    | : May damage fertility or the unborn child. 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 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.  |

### 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

|                  |   |
|------------------|---|
| 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. |
|---------------------------|---|

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

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. No open flames. 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. 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. 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 personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat, sparks, open flames, hot surfaces. - No smoking.  
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 open flames. 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. Always wash hands after handling the product. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately.

#### 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. Keep in fireproof place.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

#### 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/m <sup>3</sup> )      | 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/m <sup>3</sup> ) | 260 mg/m <sup>3</sup> |
| USA OSHA           | OSHA PEL (TWA) (ppm)                | 200 ppm               |

#### 8.2. Exposure controls

Appropriate engineering controls : Local exhaust ventilation, vent hoods. Ensure good ventilation of the work station.

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

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 : 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 chemical properties

Physical state : Liquid  
Appearance : Liquid.  
Color : Blue.  
Odor : Mild.  
Odor threshold : No data available  
pH : 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  
Explosion 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.

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:dust,mist: Harmful if inhaled.

| <b>Polyethylene Glycol 200-600 (25322-68-3)</b> |                        |
|---|------------------------|
| LD50 oral rat                                   | > 15000 mg/kg (Rat)    |
| LD50 dermal rabbit                              | > 20000 mg/kg (Rabbit) |

| <b>Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129-17-9)</b> |                  |
|---|------------------|
| LD50 oral rat   | 3001 mg/kg (Rat) |

| <b>Methanol (67-56-1)</b>  |   |
|----------------------------|---|
| 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

| <b>Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129-17-9)</b> |   |
|---|---|
| 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

| <b>Polyethylene Glycol 200-600 (25322-68-3)</b> |                                       |
|---|---------------------------------------|
| 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)    |

| <b>Methanol (67-56-1)</b>                 |  |
|---|--|
| 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; Locomotor effect)     |
| 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)             |

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

### 12.2. Persistence and degradability

| PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.  |   |
|--|---|
| Persistence and degradability  | Not established.  |
| Water (7732-18-5)  |   |
| Persistence and degradability  | Not established.  |
| Polyethylene Glycol 200-600 (25322-68-3)   |   |
| Persistence and degradability  | Biodegradability in water: no data available.                                     |
| Nonyl Nonoxynol-5 (9014-93-1)  |   |
| Persistence and degradability  | Not established.  |
| Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129-17-9) |   |
| Persistence and degradability  | Biodegradability in water: no data available.                                     |
| Methanol (67-56-1)   |   |
| Persistence and degradability  | Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. |
| Biochemical oxygen demand (BOD)  | 0.6 - 1.12 g O <sub>2</sub> /g substance  |
| Chemical oxygen demand (COD)   | 1.42 g O <sub>2</sub> /g substance  |
| ThOD   | 1.5 g O <sub>2</sub> /g substance   |
| BOD (% of ThOD)  | 0.8 % ThOD  |

### 12.3. Bioaccumulative potential

| PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.  |  |
|--|--|
| Bioaccumulative potential  | Not established.                               |
| Water (7732-18-5)  |  |
| Bioaccumulative potential  | Not established.                               |
| Polyethylene Glycol 200-600 (25322-68-3)   |  |
| Log Pow  | -1.2   |
| Bioaccumulative potential  | Bioaccumulation: not applicable.               |
| Nonyl Nonoxynol-5 (9014-93-1)  |  |
| Bioaccumulative potential  | Not established.                               |
| Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129-17-9) |  |
| Log Pow  | -5.340 (Estimated value)                       |
| Bioaccumulative potential  | Bioaccumulation: not applicable.               |
| Methanol (67-56-1)   |  |
| BCF fish 1   | < 10 (72 h; Leuciscus idus)                    |
| BCF fish 2   | 1 (72 h; Cyprinus carpio; Blood)               |
| Log Pow  | -0.77 (Experimental value; Other)              |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500). |

### 12.4. Mobility in soil

| Methanol (67-56-1) |                   |
|--------------------|-------------------|
| Surface tension    | 0.023 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.

Additional information : Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## 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): 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, 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).  
T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Combustible liquid, n.o.s. (Methanol Mix)  
Transport hazard class(es) (DOT) : 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) : III - Minor Danger  
DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (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).  
T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 241

#### 14.3. Additional information

Other information : No supplementary information available.

#### Overland transport

No additional information available

#### Transport by sea

DOT Vessel Stowage Location : 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)

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

|                                     |   |
|-------------------------------------|---|
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard<br>Fire hazard<br>Immediate (acute) health hazard |
|-------------------------------------|---|

##### Methanol (67-56-1)

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  
Listed on the United States SARA Section 355

|                                     |   |
|-------------------------------------|---|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard<br>Delayed (chronic) health hazard<br>Fire hazard |
|-------------------------------------|---|

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

### 15.2. International regulations

#### CANADA

| PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.   |   |
|---|---|
| WHMIS Classification                                  | Class B Division 3 - Combustible Liquid   |
| Methanol (67-56-1)                                    |   |
| Listed on the Canadian DSL (Domestic Substances List) |   |
| WHMIS Classification                                  | Class B Division 2 - Flammable Liquid<br>Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

#### EU-Regulations

| Methanol (67-56-1)   |
|--|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

#### 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

| Methanol (67-56-1)                                      |
|---|
| Listed on the Canadian IDL (Ingredient Disclosure List) |

### 15.3. US State regulations

| PETRA WASHER CONCENTRATE 50 STATE FORMULA 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. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL) |

| Water (7732-18-5)                                     |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| 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 | No significant risk level (NSRL) |
| No  | No  | No  | No  |                                  |

| Polyethylene Glycol 200-600 (25322-68-3)              |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| 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 | No significant risk level (NSRL) |
| No  | No  | No  | No  |                                  |

| Nonyl Nonoxynol-5 (9014-93-1)                         |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| 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 | No significant risk level (NSRL) |
| No  | No  | No  | No  |                                  |

| Hydrogen [4-[4-(Diethylamino)-2',4'-Disulphonatobenzhydrylidene] Cyclohexa-2,5-Dien-1-ylidene] Diethylammonium, Sodium Salt (129-17-9) |   |   |   |                                  |
|--|---|---|---|----------------------------------|
| 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 | No significant risk level (NSRL) |
| No   | No  | No  | No  |                                  |

# PETRA WASHER CONCENTRATE 50 STATE FORMULA 12 FL.OZ.

## Safety Data Sheet

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

| Methanol (67-56-1)                                    |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| 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 | No significant risk level (NSRL) |
| No  | Yes   | No  | No  |                                  |

| Methanol (67-56-1)  |
|---|
| State or local regulations  |
| U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)<br>New Jersey Right-to-Know<br>Florida Right to Know<br>U.S. - Massachusetts - Right To Know List<br>U.S. - Pennsylvania - RTK (Right to Know) List |

### SECTION 16: Other information

Indication of changes : Revision - See : \*

Other information : None.

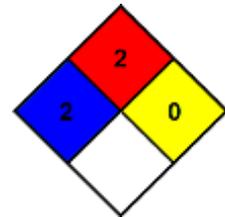
Full text of H-phrases:

|                                     |   |
|-------------------------------------|---|
| 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                                  |
| H331                                | Toxic if inhaled  |
| H332                                | Harmful if inhaled  |
| H370                                | 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

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*

*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.*