



**Performance Plus Filter Oil Type II**  
**Powder Blue, Gold, Red, Undyed**  
Safety Data Sheet

SDS ID: 820282

**\*\*\* Section 1 - Identification \*\*\***

**Material Name**

Performance Plus Filter Oil Type II  
Powder Blue, Gold, Red, Undyed

**Product Code**

PP33AT2XB, PP33AT2XG, PP33AT2XR, PP33AT2XU

**Synonyms**

Petroleum oil; Petroleum hydrocarbon

**Product Use**

For use on air filters for particle collection.. If this product is used in combination with other products, refer to the Safety Data Sheets for those products.

**Restrictions on Use**

None known.

**FOR PRODUCT MANUFACTURED IN THE U.S.A.:**

**MANUFACTURER**

Kleen Performance Products  
2600 North Central Expressway  
Suite 200  
Richardson, TX 75080

**SUPPLIER**

Safety-Kleen Systems, Inc.  
25 Regan Road  
Brampton, Ontario, Canada L1A 1B2

**FOR PRODUCT MANUFACTURED IN CANADA:**

**MANUFACTURER**

Kleen Performance Products  
25 Regan Road  
Brampton, Ontario, Canada L1A 1B2

**SUPPLIER**

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 200  
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Emergency Phone #: 1-800-468-1760

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February 8, 2017

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April 9, 2015

**Original Issue Date**

September 29, 1988

**\*\*\* Section 2 - Hazard(s) Identification \*\*\***

**Classification in Accordance with 29 CFR 1910.1200.**

Not hazardous according to classification criteria.

**GHS LABEL ELEMENTS**

**Symbol(s)**

None needed according to classification criteria.

**Signal Word**

None needed according to classification criteria.

**Hazard Statement(s)**

None needed according to classification criteria.

**Precautionary Statement(s)**

**Prevention**

None needed according to classification criteria.

# Safety Data Sheet

Material Name: Filter Oil Type II (All Colors)

SDS ID: 820282

## Response

None needed according to classification criteria.

## Storage

None needed according to classification criteria.

## Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

## Hazard(s) Not Otherwise Classified

Repeated exposure may cause skin dryness or cracking.

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

| CAS           | Component                                       | Percent |
|---------------|---|---------|
| 64742-58-1    | Lubricating oils, petroleum, hydrotreated spent | >99     |
| Not available | Proprietary                                     | <1.0    |

### \*\*\* Section 4 - First Aid Measures \*\*\*

#### Description of Necessary Measures

##### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

##### Skin

IF ON SKIN: Wash with plenty of soap and water. Get medical attention, if needed.

##### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

##### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

#### Most Important Symptoms/Effects

##### Acute

No information on significant adverse effects.

##### Delayed

No information on significant adverse effects.

#### Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively.

### \*\*\* Section 5 - Fire-Fighting Measures \*\*\*

#### Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

#### Specific Hazards Arising from the Chemical

Negligible fire hazard. Avoid friction, static electricity and sparks.

#### Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide and unidentified organic compounds.

# Safety Data Sheet

Material Name: Filter Oil Type II (All Colors)

SDS ID: 820282

## Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

## Fire Fighting Measures

Move container from fire area if it can be done without risk. Keep storage containers cool with water spray. Heated containers may rupture or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see **Section 8**. Avoid release to the environment.

### Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **Section 8: Exposure Controls/Personnel Protection**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Precautions for Safe Handling

Keep away from sparks and flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

### Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

### Incompatibilities

Strong oxidizing materials.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

### Engineering Controls

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

### Eyes/Face Protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

### Respiratory Protection

No respiratory protection is normally required. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

### Glove Recommendations

Where skin contact is likely, wear chemical impervious protective gloves; use of natural rubber or equivalent gloves is not recommended. When products are heated and skin contact is likely, wear heat-resistant gloves, boots, and other protective

# Safety Data Sheet

Material Name: Filter Oil Type II (All Colors)

SDS ID: 820282

clothing. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

## Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves. Lab coat or apron.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

|                          |   |                                   |  |
|--------------------------|---|-----------------------------------|--|
| <b>Appearance/Odor :</b> | Color dyed liquid, petroleum odor       | <b>pH:</b>                        | Not applicable                                   |
| <b>Boiling Point:</b>    | 265°F (129.5°C) (minimum)               | <b>Odor Threshold:</b>            | Not available                                    |
| <b>Solubility (H2O):</b> | Insoluble                               | <b>Melting Point:</b>             | Not available [pour point 27°F (-3°C) (maximum)] |
| <b>Density:</b>          | 7.3 LB/US gal (870 g/l) (approximately) | <b>Specific Gravity:</b>          | 0.87 (water =1) (approximately)                  |
| <b>Evaporation Rate:</b> | Not available                           | <b>Octanol/H2O Coeff.:</b>        | Not available                                    |
| <b>LFL:</b>              | Not available                           | <b>Auto Ignition Temperature:</b> | Not available                                    |
| <b>UFL:</b>              | Not available                           | <b>Flash Point:</b>               | 329°F (165°C) (minimum)                          |
| <b>Vapor Pressure:</b>   | less than 0.1 mm Hg at 68°F (20°C)      | <b>Viscosity:</b>                 | >20.5 mm <sup>2</sup> /s @ 104°F (40°C)          |

## Other Property Information

No information is available.

## \*\*\* Section 10 - Stability & Reactivity \*\*\*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal temperatures and pressures.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions To Avoid

Avoid sparks, flames, and other sources of ignition

### Incompatible Materials

Avoid oxidizing agents.

### Hazardous Decomposition Products

None under normal temperatures and pressures.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Toxicity Data and Information

#### Component Analysis - LD50/LC50

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Dermal LD50 Rabbit >4480 mg/kg; Oral LD50 Rat >2000 mg/kg

#### Information on Likely Routes of Exposure

##### Inhalation

No information on significant adverse effects.

# Safety Data Sheet

Material Name: Filter Oil Type II (All Colors)

SDS ID: 820282

## Ingestion

May be harmful if swallowed.

## Skin Contact

Prolonged or repeated skin contact may cause irritation.

## Eye Contact

No information on significant adverse effects.

## Immediate Effects

No information on significant adverse effects.

## Delayed Effects

No information on significant adverse effects.

## Irritation/Corrosivity

May cause slight skin and respiratory irritation.

## Respiratory Sensitization

No information available for the product.

## Skin Sensitization

No information available for the product.

## Carcinogenicity

### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Germ Cell Mutagenicity

No information available for the product.

### Teratogenicity

No information available for the product.

### Reproductive Effects

No epidemiological data is available for this product.

### Specific Target Organ Effects - Single Exposure

No information on significant adverse effects.

### Specific Target Organ Effects - Repeated Exposure

No information on significant adverse effects.

### Aspiration Hazard

No data available.

### Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

## \* \* \* Section 12 - Ecological Information \* \* \*

### Ecotoxicity

Toxic to aquatic life.

### Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

| Duration/Test/Species          | Concentration/Conditions | Notes |
|--------------------------------|--------------------------|-------|
| 96 Hr LC50 Brachydanio rerio   | 79.6 mg/L [semi-static]  |       |
| 96 Hr LC50 Pimephales promelas | 3.2 mg/L [semi-static]   |       |

### Persistence and Degradability

No information available for the product.

### Bioaccumulation Potential

No information available for the product.

# Safety Data Sheet

Material Name: Filter Oil Type II (All Colors)

SDS ID: 820282

## Mobility in Soil

No information available for the product.

## Other Adverse Effects

No additional information is available.

### \*\*\* Section 13 - Disposal Considerations \*\*\*

## Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Kleen Performance Products regarding proper recycling or disposal.

### \*\*\* Section 14 - Transport Information \*\*\*

**US DOT Information:** Not regulated for transport.

**IATA Information:** Not regulated for transport.

**IMDG Information:** Not regulated for transport.

**TDG Information:** Not regulated for transport.

## International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

### \*\*\* Section 15 - Regulatory Information \*\*\*

## Federal Regulations

### SARA 302/304

## Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

## SARA 311/312 Hazardous Categories

**Acute Health:** No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

## SARA Section 313

## Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

## CERCLA

## Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

## TSCA Inventory

All the components of this product are listed on, or are automatically included as 'natural occurring chemical substances on, or are exempted from the requirement to be listed on, the TSCA Inventory.

## Component Analysis

| Component                                       | CAS #      | TSCA |
|---|------------|------|
| Lubricating oils, petroleum, hydrotreated spent | 64742-58-1 | Yes  |

## U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

# Safety Data Sheet

Material Name: Filter Oil Type II (All Colors)

SDS ID: 820282

## Canadian Regulations

### Component Analysis

| Component                                       | CAS #      | CAN |
|---|------------|-----|
| Lubricating oils, petroleum, hydrotreated spent | 64742-58-1 | DSL |

### Canadian WHMIS Information

Not regulated.

### Component Analysis - WHMIS IDL

Not regulated.

## \*\*\* Section 16 - Other Information \*\*\*

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Revision Information

2019-02: Update to branding.

### Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

### Disclaimer

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Kleen Performance Products assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.

# SAFETY DATA SHEET

QX9

## Section 1. Identification

**Product Identifier:** QX9  
**Other Means of Identification:** Surfactant  
**Product Type:** Liquid  
**Recommended Uses and:** Multi-purpose surfactant blend  
**Restrictions on use:** None known

**Supplier's Details:** WIN MANUCO LTD  
 3465 Mainway  
 Unit #1  
 Burlington, ON  
 L7M 1A9  
 Tel: 905-331-5325  
 Toll Free: 888-203-6333  
 Fax: 905-331-4750  
 www.vitechinternational.com

**Emergency Telephone:** CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887  
**Number**

## Section 2. Hazards Identification

**OSHA/HCS Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the:** ACUTE TOXICITY (dermal) – Category 4  
**Substance or mixture** SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1

### GHS Label Elements

**Hazard pictograms:**



**Signal Word:** Danger  
**Hazard Statements:** Harmful in contact with skin  
 Causes serious eye damage

### Precautionary Statements

**Prevention:** Wear protective gloves/protective clothing. Wear eye or face protection.

**Response:** IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or a doctor/physician if you feel unwell. Wash contaminated clothing before reuse.



IF IN EYES: 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.

**Storage:** Not Applicable

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazards Not Otherwise Classified:** None Known

### Section 3. Composition/Information on Ingredients

**Substance/mixture:** Mixture

| Chemical Name            | %           | CAS Number |
|--------------------------|-------------|------------|
| Proprietary ingredient 1 | Proprietary | -          |
| Proprietary ingredient 2 | Proprietary | -          |

The chemical identity and exact percentage of the composition has been withheld as it is a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

### Section 4. First Aid Measures

#### Description of Necessary First Aid Measures

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin Contact:** Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion:** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Most Important Symptoms/Effects, Acute and Delayed****Potential Acute Health Effects**

|                      |  |
|----------------------|--|
| <b>Eye Contact:</b>  | Causes serious eye damage  |
| <b>Inhalation:</b>   | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| <b>Skin Contact:</b> | Harmful in contact with skin. May cause mild skin irritation.  |
| <b>Ingestion:</b>    | May be irritating to mouth, throat and stomach   |

**Over Exposure Signs/Symptoms**

|                      |  |
|----------------------|--|
| <b>Eye Contact:</b>  | Adverse symptoms may include the following:<br>Pain or irritation<br>Watering<br>Redness |
| <b>Inhalation:</b>   | No known significant effects or critical hazards.  |
| <b>Skin Contact:</b> | Adverse symptoms may include the following:<br>Irritation<br>Redness                     |
| <b>Ingestion:</b>    | May be irritating to mouth, throat and stomach   |

**Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary**

|                                    |  |
|------------------------------------|--|
| <b>Notes to Physician:</b>         | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.      |
| <b>Specific Treatments:</b>        | No specific treatment  |
| <b>Protection of First Aiders:</b> | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

**Section 5. Fire-Fighting Measures****Extinguishing Media**

|                                       |   |
|---------------------------------------|---|
| <b>Suitable extinguishing media</b>   | Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | None known  |

**Specific Hazards Arising from the chemical** No specific fire or explosion hazard

|   |   |
|---|---|
| <b>Hazardous thermal decomposition products</b> | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>hydrogen chloride<br>methyl chloride |
|---|---|

**Special protective actions for fire-fighters** No special measures are required.

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

**For non-emergency:  
Personnel** No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and Materials for Containment and Cleaning Up

**Spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and Storage

### Precautions for Safe Handling

**Protective Measures:** Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on General:  
occupational hygiene** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

**Conditions for Safe:  
Storage, including any  
Incompatibilities** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure Controls/ Personal Protection

### Control Parameters

**Occupational Exposure:  
Limits** None

**Appropriate Engineering:  
Controls** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental Exposure:  
Controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual Protection Measures

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/Face Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin Protection

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other Skin Protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:** Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and Chemical Properties

### Appearance

|  |  |
|--|--|
| <b>Physical State:</b>                               | Liquid. [Clear to slightly turbid]               |
| <b>Color:</b>  | Light yellow                                     |
| <b>Odor:</b>   | Not available                                    |
| <b>Odor Threshold:</b>                               | Not available                                    |
| <b>pH:</b>   | 6 to 9 [as is]                                   |
| <b>Melting/Freezing Point:</b>                       | Not available                                    |
| <b>Boiling Point/Range:</b>                          | Not available                                    |
| <b>Flash Point:</b>                                  | >93.3°C (>200°F)                                 |
| <b>Evaporation Rate:</b>                             | >1 (Butyl acetate = 1)                           |
| <b>Flammability (solid, gas):</b>                    | Not available                                    |
| <b>Lower and Upper Explosive: (flammable) Limits</b> | Not available                                    |
| <b>Vapor Pressure:</b>                               | <0.013kPa (<0.1mmHg) [room temperature]          |
| <b>Vapor Density:</b>                                | >1 [Air = 1]                                     |
| <b>Relative Density:</b>                             | 0.97 – 1.01                                      |
| <b>Solubility:</b>                                   | Easily soluble in the following materials: water |
| <b>Partition Coefficient: n-octanol/water</b>        | Not available                                    |
| <b>Auto-Ignition Temperature:</b>                    | Not available                                    |
| <b>Decomposition Temperature:</b>                    | Not available                                    |
| <b>Viscosity:</b>                                    | Not available                                    |

## Section 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Reactivity:</b>                        | No specific test data related to reactivity available for this product or its ingredients            |
| <b>Chemical Stability:</b>                | The product is stable  |
| <b>Possibility of Hazardous reactions</b> | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to Avoid:</b>               | No specific data.  |
| <b>Incompatible Materials:</b>            | Reactive or incompatible with the following materials: strong oxidizing materials.                   |
| <b>Hazardous Decomposition products</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

| Product/Ingredient Name  | Result                   | Species       | Dose                           | Exposure |
|--------------------------|--------------------------|---------------|--------------------------------|----------|
| Proprietary ingredient 1 | LD50 Oral<br>LD50 Dermal | Rat<br>Rabbit | >2000 mg/kg<br>1000-2000 mg/kg | -<br>-   |

|                          |                          |               |                                |        |
|--------------------------|--------------------------|---------------|--------------------------------|--------|
| Proprietary ingredient 2 | LD50 Oral<br>LD50 Dermal | Rat<br>Rabbit | >2000 mg/kg<br>1000-2000 mg/kg | -<br>- |
|--------------------------|--------------------------|---------------|--------------------------------|--------|

**Irritation/Corrosion**

There is no data available

**Sensitization**

Not a skin sensitizer based on components.

**Carcinogenicity**

No components are listed as carcinogens by IARC, ACGIH, OSHA or NTP above the threshold of 0.1%

**Specific Target Organ Toxicity (single exposure)**

There is no data available

**Specific Target Organ Toxicity (repeated exposure)**

There is no data available

**Aspiration Hazard**

There is no data available

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential Acute Health Effects**

**Eye contact:** Causes serious eye damage  
**Inhalation:** Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.  
**Skin Contact:** Harmful in contact with skin. May cause mild skin irritation.  
**Ingestion:** May be irritating to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye Contact:** Adverse symptoms may include the following:  
Pain or irritation  
Watering  
Redness  
**Inhalation:** No known significant effects or critical hazards.  
**Skin Contact:** Harmful in contact with skin. Adverse symptoms may include the following:  
Irritation  
redness  
**Ingestion:** May be irritating to mouth, throat and stomach.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure**

**Potential immediate effects:** No known significant effects or critical hazards.  
**Potential delayed effects:** No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects:** No known significant effects or critical hazards.  
**Potential delayed effects:** No known significant effects or critical hazards.

**Potential chronic health effects**

**General:** No known significant effects or critical hazards.  
**Carcinogenicity:** No known significant effects or critical hazards.  
**Mutagenicity:** No known significant effects or critical hazards.  
**Teratogenicity:** No known significant effects or critical hazards.  
**Developmental effects:** No known significant effects or critical hazards.  
**Fertility effects:** No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates** There is no data available.

## Section 12. Ecological Information

### Toxicity

| Product/ingredient name  | Result   | Species  | Exposure                        |
|--------------------------|--|--|---------------------------------|
| Proprietary ingredient 1 | Acute LC50 = 9.2mg/L   | Daphnia Magna                                  | 48 hours                        |
| Proprietary ingredient 2 | Acute LC50 = 4.6mg/L<br>Acute LC50 = 4.1mg/L<br>EC50 = 2.8mg/L | Fathead Minnow<br>Daphnia Magna<br>Green Algae | 96 hours<br>48 hours<br>96 hour |

**Persistence and Degradability:** Readily biodegradable (OECD 301D)

**Bioaccumulative Potential:** There is no data available

### Mobility in Soil

**Soil/water partition coefficient:  
(K<sub>oc</sub>)** Not available

**Other adverse effects:** No known significant effects or critical hazards.

## Section 13. Disposal Considerations

**Disposal Methods:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport Information

|                            | TDG/DOT Classification | IMDG          | IATA          |
|----------------------------|------------------------|---------------|---------------|
| UN Number                  | Not regulated          | Not regulated | Not regulated |
| UN Proper Shipping Name    | -                      | -             | -             |
| Transport Hazard Class(es) | -                      | -             | -             |
| Packing Group              | -                      | -             | -             |
| Environmental Hazards      | No                     | No            | No            |
| Additional Information     | -                      | -             | -             |

**Transport in bulk according:  
To Annex II of MARPOL  
73/78 and the IBC Code** Not available

**Special precautions for user:** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do

in the event of an accident or spillage.

## Section 15. Regulatory Information

**U.S. Federal Regulations:** **United States Inventory (TSCA):** All components are listed or exempted

**Clean Air Act Section 112:** Not listed

**(b) Hazardous Air Pollutants (HAPS)**

**Clean Air Act Section 602:** Not listed

**Class I Substances**

**Clean Air Act Section 602:** Not listed

**Class II Substances**

**DEA List I Chemicals:** Not listed

**(Precursor Chemicals)**

**DEA List II Chemicals:** Not listed

**(Essential Chemicals)**

### SARA 302/304

#### Composition/Information on Ingredients

Not listed

### SARA 311/312

**Classification:** See Section 2 for more information

**California Proposition 65:** Components: 1,4-Dioxane CAS#: 123-91-1

Vitech International's QX9 may contain detectable quantities of 1,4-Dioxane which is a chemical on the California Prop 65 list. Levels are typically low PPM's but may vary. Vitech believes that if formulated properly, the levels in this product should not cause a finished product to exceed the daily exposure limits. Please consult Vitech in order to obtain information and assistance in meeting your requirements under the Prop 65 requirements for your finished formulation(s).

### International Lists

#### National Inventory

**Australia (AICS):** All components are listed or exempted.

**Canada (DSL):** All components are listed or exempted.

**China (IECSC):** All components are listed or exempted.

**Europe (EINECS):** One or more components are not listed.

**Japan (ENCS):** All components are listed or exempted.

**New Zealand (NZIoC):** All components are listed or exempted.

**Philippines (PICCS):** All components are listed or exempted.

**Republic of Korea (KECL):** All components are listed or exempted.

**Taiwan (NECI):** All components are listed or exempted.



## Section 16. Other Information

### History

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**Version:** 2  
**Revised Section(s):** 15  
**Prepared by:** Win Manuco Ltd.

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