

# SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

**1.1 PRODUCT IDENTIFIER:** Petrol Injector Cleaner

**1.2 PRODUCT CODE:** ADPIC375, ADPIC020

**1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:**  
**RELEVANT IDENTIFIED USES:** Multipurpose fuel additive.  
**RESTRICTIONS ON USE:** None known.

**1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:**  
**SUPPLIER NAME:** PENRITE OIL Company Pty Ltd (ABN: 25005 001 525),  
**ADDRESS:** 88 Lewis Road, Wantirna South, Victoria, Australia, 3152  
44C Dalgety Drive, Wiri Auckland, New Zealand.  
**E-MAIL:** [tech@penriteoil.com](mailto:tech@penriteoil.com) (Aust and NZ)  
**TELEPHONE NUMBER:** 03 9801 0877 (NZ: 0800 533 698)  
**1.5 EMERGENCY TEL. NUMBER:** 1300 736 748 (NZ: 0800 533 698)  
(Poisons Information Centre (Aust 131 126; NZ 0800 764 766))

## SECTION 2 – HAZARD(S) IDENTIFICATION

**2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:**  
**NOHSC 1008:** This product is a mixture of solvents and alcohol and is classified as Hazardous according to the criteria of the National Occupational Health and Safety Commission (SafeWork Australia).

**Xn – Harmful**

**Risk Phrases:** R52/53 - Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.  
R65 - Harmful: May cause lung damage if swallowed.

**Safety Phrases:**

R66 - Repeated exposure may cause skin dryness or cracking.  
S2 - Keep out of reach of children.  
S9 - Keep container in a well-ventilated space.  
S23 - Do not breathe vapour or spray mists.  
S24 - Avoid contact with skin.  
S29 - Do not empty into drains.  
S33 - Take precautionary measures against static discharges.  
S36/37 - Wear suitable protective clothing and gloves.  
S51 - Use only in well-ventilated areas.  
S56 - Dispose of this material and its container at hazardous or special waste collection point.  
S61 - Avoid release to the environment.  
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### GHS CLASSIFICATION HAZARD

**CLASS & CATEGORY:** The product is a mixture and has not been assessed under the Model Work Health and Safety Regulations. Data have been provided for the individual components.

### 2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

**SIGNAL WORD:** There is no Signal Word at this stage for the mixture.

**HAZARD STATEMENTS:** There are no Hazard Statements at this stage for the mixture.

**PRECAUTIONARY**

**STATEMENTS:**

There are no Precautionary Statements at this stage for the mixture.

### 2.3 OTHER HAZARDS:

Due to the presence of solvents there is a possibility of organ system damage. The presence of the solvent component suggests that the product may be irritating to the skin and eyes. The vapours may also lead to drowsiness and dizziness. The product will potentially form flammable/explosive mixtures in air. There may be static discharge issues with the product in large scale operations that could lead to a fire.

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	Risk Phrases*	GHS Classification
Distillates, petroleum, hydrotreated light	64742-47-8	> 60%	R65	Asp Haz 1 - H304
Solvent naphtha, petroleum, light aromatic	64742-95-6	< 10%	R65	Asp Haz 1 - H304
Polyolefin alkyl phenol alkyl amine	-	1% - 4.9%	R36/38	Eye Irrit 2A - H319 Skin Irrit 2 - H315
1,2,4-Trimethylbenzene	95-63-6	1% - 4.9%	R10, R20 R36/37/38 R51/53	Flam Liq 3 - H226 Acute Tox 4 - H332 Eye Irrit 2A - H319 STOT 3 - H335 Skin Irrit 2 - H315
1,3,5-Trimethylbenzene	108-67-8	1% - 2%	R10, R37 R51/53	Aquatic Chron 2 - H411 Flam Liq 3 - H226 STOT 3 - H335
N-Propylbenzene	103-65-1	< 1%	R10, R37 R65 R51/53	Aquatic Chron 2 - H411 Flam Liq 3 - H226 STOT 3 - H335 Asp Haz 1 - H304
Xylene	1330-20-7	< 1%	R10, R20/21 R38	Aquatic Chron 2 - H411 Flam Liq 3 - H226 Acute Tox 4 - H332 Acute Tox 4 - H312 Skin Irrit 2 - H315
2-Ethylhexanol	104-76-7	< 1%	R36/38	Eye Irrit 2A - H319 Skin Irrit 2 - H315
Cumene (Isopropylbenzene)	98-82-8	< 1%	R10, R37 R65 R51/53	Flam Liq 3 - H226 STOT 3 - H335 Asp Haz 1 - H304
1,2,3-Trimethylbenzene	526-73-8	< 1%	R10	Aquatic Chron 2 - H411 Flam Liq 3 - H226

\* Please see Section 16 of this SDS for full text of the Risk Phrases

## SECTION 4 – FIRST AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

#### INGESTION:

Rinse mouth out with water. If swallowed, do NOT induce vomiting. For advice, contact the Poisons Information Centre (phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once. If vomiting has occurred after ingestion, keep head below hips to prevent aspiration into the lungs. Within 6 hours of ingestion, if delayed symptoms, such as a fever greater than 38.3°C, shortness of breath, chest congestion or continued coughing/wheezing occurs transport immediately to a medical facility.

#### EYE:

If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a doctor. Check for contact lenses. If there are contact lenses, these should be removed under supervision. After flushing, if irritation develops or persists, seek medical assistance.

#### SKIN CONTACT:

If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. After washing, seek medical assistance immediately taking the container with you.

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## SECTION 4 – FIRST AID MEASURES

- INHALATION:** If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance.
- PROTECTION FOR FIRST AIDERS:** No person shall place themselves in a situation that is potentially hazardous to themselves. Assess environment for flammable vapours before entering. Do not enter contaminated area without a respirator. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.
- FIRST AID FACILITIES:** Eye wash fountain and safety showers are recommended in the area where the product is used.
- 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:**
- ACUTE:** Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Symptoms may include a burning sensation in the nose and throat, coughing or difficulty breathing. Ingestion may lead to nausea and diarrhoea. Inhalation of high vapour concentrations may cause central nervous system depression resulting in dizziness, headache, nausea and possible loss of coordination. Eye contact may lead to localised burning, redness and tearing. Skin contact may lead to redness or itching. If material is aspirated into the lungs it may exhibit as coughing, wheezing, congestion or fever.
- CHRONIC:** Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis.
- 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:**
- ADVICE TO DOCTOR:** Treat symptomatically. As the product is predominantly hydrocarbon based and of low viscosity, if vomiting has occurred after ingestion, the patient should be monitored for adverse effects to ensure that the product has not aspirated into the lungs. Small amounts of this product aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary oedema. Inhalation of high vapour concentrations may cause central nervous system depression.

## SECTION 5 – FIRE FIGHTING MEASURES

- 5.1 EXTINGUISHING MEDIA:**
- SUITABLE MEDIA:** Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, foam, dry chemical or water fog. Spray down fumes resulting from fire.
- UNSUITABLE MEDIA:** Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residues. Product will float on water.
- 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**
- COMBUSTION HAZARDS:** Combustion may produce oxides of carbon and nitrogen, as well as smoke and irritating vapours.
- 5.3 ADVICE FOR FIREFIGHTERS:**
- FIRE:** This product is a combustible liquid with a typical flash point of 74°C. The vapour is heavier than air and will spread along the ground and may accumulate in low points or depressions. Therefore, ignition may occur well away from the point of release of the material. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

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## SECTION 5 – FIRE FIGHTING MEASURES Continued

<b>HAZCHEM CODE:</b>	Not applicable.
<b>EXPLOSION:</b>	No information to indicate that the product is an explosion hazard; though the volatile solvent component may form an explosive mixture with air. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.
<b>PROTECTIVE EQUIPMENT:</b>	In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

**PERSONAL PROTECTION:** For small spills, wear Nitrile gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill in the open a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency and as a precaution whether the atmosphere is flammable. If in doubt wear self-contained breathing apparatus.

**CONTROL MEASURES:** Ventilate area and extinguish and/or remove all sources of ignition. **CAUTION:** Vapour may form an explosive mixture with air. Never enter a spill area unless you know the vapours have dissipated to make the area safe. Stop the leak if safe to do so. Avoid contact with the spilled material.

**EMERGENCY PROCEDURES:** In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

**SPILL ADVICE:** Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. Take precautions against static discharge. Ensure all equipment is grounded and use non-sparking tools during clean up operations.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

**CONTAINMENT:** Contain the spill and absorb with a proprietary absorbent material, sand or earth. **Caution:** The spilled product will be slippery. Be careful of static discharges and/or sparking during clean up. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

**CLEANING PROCEDURES:** Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Be careful of static discharges and/or sparking during clean up. Use only non-sparking tools during cleaning operations. **Caution:** The spilled product will be slippery. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped, using flammable liquid equipment, into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

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## SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

#### SAFE HANDLING:

Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Extinguish any potential sources of ignition before using as flammable vapours will be generated during application. Avoid breathing mists or vapours. Do not smoke when handling the material. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers. There is the potential for electrostatic accumulation in the product. Containers should always be earthed before dispensing commences.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

#### SAFE STORAGE:

Classified as a Class 1 Combustible Liquid (FP=74°C). Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store only in original containers. It is recommended that the product is stored below 25°C.

#### INCOMPATIBILITIES:

Strong oxidizing substances including strong acids.

## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

### 8.1 EXPOSURE CONTROL MEASURES:

**EXPOSURE LIMIT VALUES:** Exposure standards for the product have not been established. The following values are applicable for the individual components:

Distillates, petroleum, hydrotreated light (Manufacturer recommendation):

TWA: 165 ppm 1200 mg/m<sup>3</sup> (OSHA)

Solvent naphtha, petroleum, light aromatic (Manufacturer recommendation):

TWA: 500 ppm (OSHA)

1,2,4-Trimethyl Benzene (Manufacturer recommendation):

TWA: 25 ppm (ACGIH)

Xylene:

TWA: 80 ppm 350 mg/m<sup>3</sup> STEL: 150 ppm 655 mg/m<sup>3</sup>

Cumene (**Skin Annotation**):

TWA: 25 ppm 125 mg/m<sup>3</sup> STEL: 75 ppm 375 mg/m<sup>3</sup>

#### 8.2 BIOLOGICAL MONITORING:

No data available.

#### 8.3 CONTROL BANDING:

No data available.

### 8.4 ENGINEERING CONTROLS:

**ENGINEERING CONTROLS:** Special ventilation is not normally required when using this product in normal use scenarios. However, in the operation of certain equipment, at elevated temperatures, or in confined spaces mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard and at an acceptable level that does not cause irritation. Please note: Due to the combustible nature of the product, if there is a necessity to use ventilation equipment it should not be a potential source of ignition for any vapours generated.

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## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION Cont'd

### 8.5 INDIVIDUAL PROTECTION MEASURES:

**EYE & FACE PROTECTION:** Wear safety glasses/goggles to avoid eye contact when handling. If there is a risk of splashing during use, a full face shield is recommended. Use eye protection in accordance with AS 1336 and AS 1337.

**SKIN (HAND) PROTECTION:** If there is the chance of contact with the material wear gloves to provide hand protection. Nitrile rubber gloves are recommended.

**SKIN (CLOTHING) PROTECTION:** During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

**RESPIRATORY PROTECTION:** During routine operation a respirator is not required. However, if mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

**THERMAL PROTECTION:** Not applicable.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Light amber liquid.  
**ODOUR:** Characteristic hydrocarbon solvent odour.  
**ODOUR THRESHOLD:** No data available.  
**pH:** Not applicable.  
**MELTING/FREEZING POINT:** No data available.  
**INITIAL BOILING POINT:** No data available.  
**BOILING RANGE (°C):** No data available.  
**FLASHPOINT (°C):** Typically 74°C.  
**EVAPORATION RATE:** No data available.  
**FLAMMABILITY LIMITS (%):** No data available.  
**VAPOUR PRESSURE (kPa):** No data available.  
**VAPOUR DENSITY:** No data available.  
**DENSITY (g/mL @ 15°C):** Typically 0.825.  
**SOLUBILITY IN WATER(g/L):** Insoluble in water.  
**PARTITION COEFFICIENT:** No data available for n-octanol/water.  
**AUTO-IGNITION TEMP (°C):** No data available.  
**DECOMPOSITION TEMP (°C):** No data available.  
**VISCOSITY (cSt @ 100°C):** No data available.  
**VISCOSITY(cSt @ 40°C):** Typically 2.1.

## SECTION 10 – STABILITY AND REACTIVITY

**10.1 REACTIVITY:** The product does not pose any further reactivity hazards other than those listed in the following sub-sections.

**10.2 CHEMICAL STABILITY:** Stable under recommended storage and handling conditions (see section 7).

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** Keep away from strong oxidising agents, such as strong acids, chlorates, nitrates and peroxides. Hazardous polymerisation does not occur.

**10.4 CONDITIONS TO AVOID:** The product has a relatively low flash point. Avoid ignition sources including heat and sparks. Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use.

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## SECTION 10 – STABILITY AND REACTIVITY Continued

### 10.5 INCOMPATIBLE

**MATERIALS:** Strong oxidising agents.

### 10.6 HAZARDOUS DECOMPOSITION

**PRODUCTS:** Hazardous decomposition products are not expected to form during normal storage requirements. See Section 5.2 for Hazardous Combustion products.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

The product is a mixture and test data is not available for the product as a whole.

### 11.2 ACUTE TOXICITY:

#### SWALLOWED:

This product is expected to have a low order of toxicity associated with it when ingested. It may cause slight irritation to the mouth, throat and digestive tract. As the product is hydrocarbon based and the viscosity is low, caution should be taken in respect to aspiration into the lungs. Small amounts of this product aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary oedema. During normal usage ingestion should not be a means of exposure.

#### EYE:

May be mildly irritating to the eyes. Symptoms may include localised burning, redness and tearing. This product contains components that are rated as R36 - Irritating to eyes, however these are present at amounts below the Concentration cut-off level that would indicate that there is a potential eye irritation hazard. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.

#### SKIN:

May be mildly irritating to the skin. This product contains components that are rated as R38 - Irritating to skin, however these are present at amounts below the Concentration cut-off level that would indicate that there is a potential skin irritation hazard. This cumene constituent, though present at < 1%, has the Skin Annotation assigned to it. This means absorption through the skin may be a significant source of exposure. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. Prolonged or repeated contact may cause defatting of the skin which may lead to dermatitis. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.

#### INHALED:

This product contains volatile hydrocarbon components, hence inhalation of vapours or mist (generated at elevated temperatures or by mechanical action) may cause irritation to the nose and throat. Inhalation of high concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.

### 11.2 SKIN CORROSION/ IRRITATION:

This product is not expected to exhibit Dermal Corrosivity/Irritation according to OECD Test 404, based on the available data and the known hazards of the components. This product contains components that are rated as irritants, however these are present at amounts below the Concentration cut-off level that would indicate that there is a potential corrosion/irritation hazard.

### 11.3 SERIOUS EYE DAMAGE/ IRRITATION:

This product is not expected to exhibit Eye Irritation or Serious Damage/Corrosivity according to OECD Test 405, based on the available data and the known hazards of the components. This product contains components that are rated as irritants, however these are present at amounts below the Concentration cut-off level that would indicate that there is a potential eye damage/irritation hazard.

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## SECTION 11 – TOXICOLOGICAL INFORMATION Continued

### 11.4 RESPIRATORY OR SKIN SENSITISATION:

This product is not expected to be a skin sensitiser according to OECD Test 406, based on the available data and the known hazards of the components. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.

### 11.5 GERM CELL MUTAGENICITY:

This product is not expected to be mutagenic according to tests such as OECD Tests 471, 475, 476, 478 and 479, based on the available data and the known hazards of the components.

### 11.6 CARCINOGENICITY:

The product is not expected to be a carcinogen according to OECD Test 451, based on the available data and the known hazards of the components. Long term animal experiments have shown that any health risks in these types of materials are associated with the level of benzene in the product. This is removed during the manufacturing process to a level at which no health risks are expected as a result of normal handling.

### 11.7 REPRODUCTIVE TOXICITY:

This product is not expected to be a reproductive hazard according to tests such as OECD Tests 414 and 421, based on the available data and the known hazards of the components.

### 11.8 SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:

There is no data available for the product as a whole. High concentrations of the product may cause central nervous system depression resulting in headaches, dizziness and nausea.

### 11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE:

There is no data available for the product as a whole. This product is not expected to cause organ damage from prolonged or repeated exposure according to tests such as OECD Tests 410 and 412, based on the available data and the known hazards of the components.

**11.10 ASPIRATION HAZARD:** This product is rated as Harmful: May cause lung damage if swallowed. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary oedema. This can be fatal. As the product is hydrocarbon based, if the product has been ingested or vomiting has occurred after ingestion, the patient should be monitored for adverse effects.

**11.11 OTHER INFORMATION:** There is no additional information available.

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 ECOTOXICITY:

There is no data available for the product as a whole. However, some of the components have been rated as R51 - Toxic to aquatic organisms and R53 - May cause long-term adverse effects in the aquatic environment. Based upon these nominated values the product is expected to be R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.2 PERSISTENCE & DEGRADABILITY:

Based on the available data and the known hazards of the components, the solvent constituents are expected to be inherently biodegradable.

### 12.3 BIOACCUMULATIVE POTENTIAL:

No data available.

### 12.4 MOBILITY IN SOIL:

The solvent component is relatively volatile and will evaporate to the air if released to the environment.

### 12.5 OTHER ADVERSE EFFECTS:

There is no data available for the product as a whole. The product will float on water and the solvent component will evaporate rapidly into the air.



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## SECTION 13 – DISPOSAL CONSIDERATIONS

### 13.1 DISPOSAL METHODS:

**PRODUCT:**

The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. If this is not possible, the product is suitable for burning in an enclosed burner where it can be used as a fuel source. The product is also suitable for incineration at very high temperatures to prevent formation of undesirable combustion products. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations.

**CONTAINERS:**

Empty containers may contain residual product. Caution: Residues are combustible and will ignite with a source of ignition. Containers should be completely drained in a well ventilated area where vapours cannot accumulate and then stored until reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. As containers may contain combustible residues, they should not be pressurised, cut by a grinder, drilled or exposed to heat, flames or other sources of ignition. Closed containers when exposed to such conditions/treatment may explode causing serious injury.

## SECTION 14 – TRANSPORT INFORMATION

This product is not regulated for land, sea or air transportation.

### 14.1 LAND (ADG Code):

**UN NUMBER:** Not applicable

**UN PROPER SHIPPING NAME:** Not applicable

**TRANSPORT HAZARD CLASS(ES):** Not applicable

**PACKAGING GROUP:** Not applicable

**ENVIRONMENTAL HAZARDS:** Not applicable

**SPECIAL PRECAUTIONS FOR USER:** Not applicable

**HAZCHEM CODE:** Not applicable

### 14.2 SEA (IMDG):

**UN NUMBER:** Not applicable

**UN PROPER SHIPPING NAME:** Not applicable

**TRANSPORT HAZARD CLASS(ES):** Not applicable

**PACKAGING GROUP:** Not applicable

**ENVIRONMENTAL HAZARDS:** Not applicable

**SPECIAL PRECAUTIONS FOR USER:** Not applicable

# SAFETY DATA SHEET

## SECTION 14 – TRANSPORT INFORMATION Continued

### 14.3 AIR (IATA):

UN NUMBER: Not applicable

### UN PROPER SHIPPING

NAME: Not applicable

### TRANSPORT HAZARD

CLASS(ES): Not applicable

PACKAGING GROUP: Not applicable

### ENVIRONMENTAL

HAZARDS: Not applicable

### SPECIAL PRECAUTIONS

FOR USER: Not applicable

## SECTION 15 – REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

#### APPLICABLE REGULATIONS:

SUSMP: Schedule 5 (S5).

AICS: All ingredients are on the AICS List.

MONTREAL PROTOCOL: Not determined.

STOCKHOLM CONVENTION: Not determined.

ROTTERDAM CONVENTION: Not determined.

BASEL CONVENTION: Not determined.

#### INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM

SHIPS (MARPOL): Not determined.

#### OTHER REGULATORY INFORMATION:

RISK PHRASES [NOHSC:1008]: R10 - Flammable.

R20 - Harmful by inhalation.

R20/21 - Harmful by inhalation and in contact with skin.

R36/38 - Irritating to eyes and skin.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R37 - Irritating to respiratory system.

R38 - Irritating to skin.

R51/53 - Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

R52/53 - Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

R65 - Harmful: May cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

#### SAFETY PHRASES

[NOHSC:1008]:

S2 - Keep out of reach of children.

S9 - Keep container in a well-ventilated space.

S23 - Do not breathe vapour or spray mists.

S24 - Avoid contact with skin.

S29 - Do not empty into drains.

S33 - Take precautionary measures against static discharges.

S36/37 - Wear suitable protective clothing and gloves.

S51 - Use only in well-ventilated areas.

S56 - Dispose of this material and its container at hazardous or special waste collection point.

S61 - Avoid release to the environment.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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## SECTION 15 – REGULATORY INFORMATION Continued

### GHS CLASSIFICATION HAZARD CLASS & CATEGORY

**AND HAZARD STATEMENT:** Flammable Liquids Category 3; H226 - Flammable liquid and vapour.  
Aspiration Hazard Category 1; H304 - May be fatal if swallowed and enters airway.  
Acute Toxicity Category 4; H312 - Harmful in contact with skin.  
Skin Irritation Category 2; H315 - Causes skin irritation.  
Eye Irritation Category 2A; H319 - Causes serious eye irritation.  
Acute Toxicity Category 4; H332 - Harmful if inhaled.  
STOT Category 3; H335 - May cause respiratory irritation.  
Carcinogenicity Category 2; H351 - Suspected of causing cancer.  
Chronic Aquatic Toxicity Category 2; H411 - Toxic to aquatic life with long lasting effects.

**HSNO APPROVAL NUMBER:** HSR002581.

**HSNO GROUP TITLE:** Fuel Additives (Combustible) Group Standard 2006.

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

### SDS INFORMATION:

**Date of SDS Preparation:** 13<sup>th</sup> September 2012

**Revision:** 0.0

**REVISION CHANGES:** Initial preparation of SDS.

### ACRONYMS:

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
R-Phrase	Risk Phrases
S-Phrase	Safety Phrases
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	An emergency action code of numbers and letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission
AICS	Australian Inventory of Chemical Substances
TWA	Time-Weighted Average
STEL	Short term Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals

# SAFETY DATA SHEET

## SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

### LITERATURE REFERENCES AND SOURCES OF DATA:

OECD Guidelines for Testing of Chemicals  
Annex I: OECD Test Guidelines for Studies Included in SIDS  
Manual for the Assessment of Chemicals Chapter 2 Data Gathering  
International Toxicity Testing Guidelines  
Hazardous Substance Information System - Guidance Material for Hazard Classifications  
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Model Work Health and Safety Regulations.  
Model Work Health and Safety Regulations - Transitional Principles  
Workplace Exposure Standards for Airborne Contaminants  
Australian Dangerous Goods Code 7<sup>th</sup> Edition  
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]  
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations  
Assigning a Hazardous Substance to a Group Standard  
User Guide to the HSNO Thresholds and Classifications  
Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances  
Correlation between GHS and New Zealand HSNO Hazard Classes and Categories  
HSNO Control Regulations  
Record of Group Standard Assignment  
Labelling of Hazardous Substances Hazard and Precautionary Information  
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996  
Workplace Exposure Standards and Biological Exposure Indices

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