

**SAFETY DATA SHEET****Product Name;** **Kerosene**

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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product Name;** **kerosene**  
**Recommended Use;** Solvent raw material for cleaning products  
**Company Details;** Super Shine Products Ltd  
**Address;** 64, 66 Huia Road, Otahuhu  
Auckland. New Zealand  
**Telephone Number;** +64 9 276 1591  
**Emergency Telephone Number** National Poison Information Centre 0800 764 766  
**Date of Preparation** 29/6/2011

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**2. HAZARD IDENTIFICATION**

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**HSNO Hazard Classification:** 3.1C, 6.1E, 6.3B, 9.1B

<b>Code:</b>	<b>Hazard Statement</b>
HP46	flammable liquid and vapour
HH04	May be harmful if swallowed
HH16	Causes mild skin irritation
HE05	Toxic to aquatic life with long lasting effects

**Prevention Statement:**

Keep away from ignition sources such as heat, spark, and open flame/hot surface.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use only non-sparkling tools.  
Wear protective gloves and eye/face protection  
Do not breathe dust, fume, gas, fume, spray.  
Do not release to the environment.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>Ingredient</b>	<b>CAS #</b>	<b>Concentration %</b>
Kerosene	8008-20-6	99

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**4. FIRST AID MEASURES**

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**Ingestion**

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Seek immediate medical attention.

#### **Eye Contact**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

#### **Skin Contact**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

#### **Inhalation**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Get medical help.

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### **5. FIRE FIGHTING MEASURES**

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#### **Extinguishing Media**

Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers. Water may be ineffective on fire. However water spray may be used to extinguish fires, and to absorb heat, keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

#### **Flammability Conditions**

Flammable liquid. Vapour may form explosive mixtures with air above the flash point of 48 deg C. Avoid exposure to sources of ignition or open flame. Avoid using in a confined space or generating mists or vapours. May accumulate static charge by flow or agitation. Vapour is heavier than air and may collect in drains or other low areas. Electrically ground all drums, transfer vessel, hoses and piping.

#### **Special Protective Precautions**

Fire fighters should wear a self-contained breathing apparatus and full protective clothing along with protective equipment.

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### **6. ACCIDENTAL RELEASE MEASURES**

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#### **Emergency Precautions**

Personnel involved in the clean should wear full protective clothing. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

#### **Methods and Materials for Containment and Clean Up**

Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

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### **7. HANDLING AND STORAGE**

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### Handling

Wash thoroughly after handling. Use only in a well ventilated area. Ground and bond containers when transferring materials. Use spark proof tools and explosion proof equipment. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue,(liquid or vapour), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and open flames. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat sparks or open flames.

### Storage

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in cool, dry, well ventilated area away from incompatible substances.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Standards

No Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) has been set by the Occupational Safety and Health Service, NZ Department of Labour for this substance.

### Biological limit values

None established

### Engineering Controls

The use of local exhaust ventilation is recommended to control process emissions near the sources. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment

### Personal Protective equipment

#### Respiratory Protection;

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

#### Eye Protection;

Always use safety glasses or a face shield when handling this product.

#### Skin/Body Protection;

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when handling this product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance;** Clear colourless liquid

**Physical State;** Liquid

**Odour;** characteristic

<b>pH;</b>	Not applicable
<b>Solubility in water;</b>	insoluble
<b>Vapour Density;</b>	4.5
<b>Boiling point;</b>	150 to 280
<b>Freezing Point;</b>	Not available
<b>Ignition Point;</b>	Not available
<b>Flash Point;</b>	Not available
<b>Specific Gravity;</b>	0.77
<b>Vapour pressure;</b>	
<b>% Volatilities</b>	100%

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#### 10. STABILITY AND REACTIVITY

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- Chemical Stability:** Stable at room temperature and pressure.
- Conditions to avoid:** Avoid excessive heat, direct sunlight, moisture, static discharges and high temperatures.
- Incompatible Materials:** Incompatible with oxidizing agents, acidic agents, including acidic clays, and sources of ignition.
- Hazardous decomposition:** When involved in a fire, this product will generate carbon monoxide
- Hazardous reactions:** Oxidizing agents, mineral acids, halogenated organic compounds.

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#### 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are;

##### **Acute Effects**

##### **Ingestion**

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting, may cause chemical pneumonitis. Ingestion large amounts of this product will result on headaches, nausea, dizziness and tracheal burning.

##### **Eye Contact**

This product is irritating to eyes but will not permanently damage eye tissue.

##### **Skin Contact**

This product is irritating to skin and may result in dryness and cracking of skin.

##### **Inhalation**

Irritating to respiratory tract . Exposure to high concentrations over an extended period of time may result on muscles weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

### Chronic Effects

This product contains n-hexane a confirmed toxicant for target organs and systems. There is evidence of potentially irreversible damage to the peripheral nervous system. Particularly arms and legs.

### Other Health Effects Information:

This product contains n-hexane. Where effects of these constituent show incidents of experiment teratogenic and reproductive effects and mutation data has been reported.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** Toxic in the aquatic environment with long lasting effects.

**Persistence/degradability:** Product contains some components that are either persistent (cyclohexane) or bio accumulative (heptanes). This product can degrade rapidly in air. Expected to be removed on wastewater treatment. Based upon data for similar components or estimated data. This product is expected to biodegrade and be readily biodegradable according to OECD guidelines.

**Mobility:** this product is highly volatile and will rapidly evaporate to the air if released into the water

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## 13. DISPOSAL CONSIDERATIONS

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### Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful.

### Special Precautions for Landfill or Incineration;

This product is NOT suitable for disposal by either landfill or via municipal sewers, drain, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

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## 14. TRANSPORT INFORMATION

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**UN No:** 1223

**Proper Shipping Name:** Flammable liquid N.O.S

**Dangerous Good Class:** 3

**Packaging Group:** III

**Hazchem Code:** 3(Y) E

**Dangerous Goods Segregation:** This product is classified as Dangerous Goods Class 3, packing group III. Please consult the land Transport Rule: Dangerous Goods 2005, and NZS 5433:2007 Transport of Dangerous Goods on land for information.

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## 15. REGULATORY INFORMATION

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**HSNO Approval No:** HSR002528



*The Professionals' Car Care Products*

**Group Standard:** Cleaning Products (Flammable) Group Standard 2006

**HSNO Classification:** 3.1C, 6.1E, 6.3B, 9.1B

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**16. OTHER INFORMATION**

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**New Zealand National Poison Information Centre:** 0800 764 766

**New Zealand Emergency Services:** 111

**Super Shine Products Limited:** +64 9 276 1591

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Super shine Products Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

Prepared by M. Derballa Bsc.