

# Material Safety Data Sheet

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Kleenso 168 Water Cooled Condenser Cleaner

**Recommended Use:** Effective to remove the residue and the water cooled at the condenser

**Supplier:** Kleenso Resources Sdn Bhd

**Street Address:**

**Telephone Number:**

**Facsimile:**

## 2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for the transport by Road and Rail; NON-DANGEROUS GOODS.

**Risk Phrase:** Irritating to eyes and skin.

**Safety Phrases:** Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap-suds. Wear suitable protective clothing, gloves and eye/face protection.

**Poisons Schedule:** None allocated.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Nonionic Surfactant	127087-87-0	1 – 6%
Hydrochloric Acid	7604-01-0	10 – 30 %
Solvent	111-76-2	1-- 6%
Colour		
Water		to 100%

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766 ) or a doctor.

**Inhalation:** Remove victim from area of exposure –avoid becoming a casualty. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye Contact:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, for at least 15 minutes.

**Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Get to a doctor or hospital quickly.

**Medical attention and special treatment:** Treat Symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazards from combustion products:** Not combustion, however following evaporation of the water component of the material, the residual material can burn if ignited. On Burning will emit toxic fumes, including those of oxides of carbon and oxides of phosphorus.

**Precautions for fire fighters and Special protective equipment:** Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Suitable Extinguishing Media:** Not combustion, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## 6.ACCIDENTAL RELEASE MEASURES

**Emergency procedures:** If contamination of sewers or waterways has occurred advise local emergency services.

**Methods and materials for containment and clean up:** SMALL SPILLS: Slippery when split. Avoid accidents, clean up immediately. Wipe up rag or absorbent paper.  
LARGE SPILLS: Slippery when split. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Work up wind or increase ventilation. Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in property labelled containers or drum for disposal. Wash area down with excess water.

## 7.HANDLING AND STORAGE

**Conditions for safe storage:** Store in cool place and out of direct sunlight. Store away from foodstuffs. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use – check regularly for leaks.

**Precautions for safe handling:** Keep out of reach of children. Avoid skin and eye contact and breathing in vapour, mists and aerosols.

## 8.EXPOSURE CONTROLS/PERSONAL PROTECTION

**Flash Point (Method Used):** Non-combustible, >2000F  
**Extinguishing Media:** CO2, water, dry chemical  
**Flammable Limits:** LEL: Not applicable UEL: Not Applicable  
**Special Fire Fighting Procedures:** Neutralize with chemical alkaline substance, such as soda ash or lime to avoid formation of potentially explosive hydrogen gas. Cool tanks with water if exposed to fire.  
**Fire & Explosion Hazards:** May generate flammable and potentially explosive hydrogen gas upon contact with metals. Explosive concentrations of hydrogen gas may accumulate inside metal equipment.  
**Health Hazards (Acute and Chronic):** Irritation or corrosion may occur to exposed issues, especially eyes, skin, throat, nasal cavities and other mucous membranes from contact with the product, its use solutions, or mists and vapors generated by the product. Eye contact may cause blindness. Ingestion may be harmful or fatal. Inhalation of concentrations of 1500 ppm in air are fatal in a few minutes.  
**Carcinogenicity:**  
NTP: No  
IARC Monographs: No  
OSHA Regulated: No  
**Signs and Symptoms of Overexposure:** Irritation and burning of mucous membranes, air passageways, or exposed skin surfaces. Corrosion of exposed tissues. May cause pulmonary edema, asphyxia, dermatitis, photosensitization, conjunctival edema, corneal destruction that may lead to blindness. Also, pain, tearing and photophobia.  
**Medical Conditions Aggravated by Exposure :** Dermatitis, breathing disorders.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Colour:** Purple  
**Odour:** Mild  
**Solubility:** Miscible in water  
**Relative Vapour Density (air=1):** N Av  
**Flash Point (°C):** N App  
**Flammability Limits (%):** N App  
**Autoignition Temperature (°C):** N App  
**Melting Point/Range (°C):** N App  
**Decomposition Point (°C):** N Av  
**pH:** 1-3  
**Viscosity:** N Av  
**Evaporation Rate:** N Av

## 10.STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.
<b>Incompatible materials:</b>	Incompatible with alkalis and metals.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of phosphorus.
<b>Hazardous reactions:</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the products label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting, diarrhea, and abdominal pain.
<b>Eye contact:</b>	An eye irritant.
<b>Skin contact:</b>	Contact with skin will result in irritation.
<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.
<b>Long Term Effects:</b>	No information available for the product.
<b>Toxicological Data:</b>	No LD50 data available for the product.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways.
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## 13. DISPOSAL CONSIDERATION

<b>Disposal methods:</b>	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land waste site.
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## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

**Hazard Category:** XI: Irritant

**Risk Phrase(s):** R36/38: Irritating to eyes and skin.

**Safety Phrase(s):** S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28: After contact with skin, wash immediately with plenty of soap and water.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

**Poisons Schedule:** None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

## 16. OTHER INFORMATION

This material safety data sheet has been prepared by KLEENSO RESOURCES SDN. BHD.  
For further copies of this sheet or other product information contact Kleenso Resources Sdn. Bhd.  
Telephone Number:  
Facsimile:

### **Reason(s) for Issue:**

First Issue Primary MSDS

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safety handle the material in the workplace. Since Kleenso Resources Sdn. Bhd. cannot anticipate or control the conditions under which the product may used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Kleenso representative at the contact details on page 1.

Kleenso Resources Sdn. Bhd.'s responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.