

**MATERIAL SAFETY DATA SHEET**

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Date completed: August 21, 2007

**PRODUCT NAME:** KAIO MULTIPURPOSE CLEANER  
**OTHER NAME:**  
**DISTRIBUTED BY:** KAIVAC INC.

**CODE: G610**

**WHMIS CLASSIFICATION:** D2B  
**TDG CLASSIFICATION:** Not Regulated

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<b>HAZARDOUS INGREDIENTS</b>	<b>%WT/WT</b>	<b>CAS NO.</b>	<b>TOXICITY DATA (LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>
Hydrogen Peroxide	1-5	7722-84-1	LD <sub>50</sub> Oral (rat) 1193 mg/kg
d-Limonene	1-5	5989-27-5	LD <sub>50</sub> Oral (rat) 4400 mg/kg LD <sub>50</sub> Dermal (rabbit) 5000 mg/kg

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**PHYSICAL DATA FOR PRODUCT**

Physical State: Liquid  
Boiling Point: 100°C  
Vapour Density: Not Avail.  
Freezing Point: 0°C  
Solubility in Water: 100%  
Appearance & Odour: Green liquid with citrus fragrance.

Sp. Gravity: 1.053  
Vapour Pressure: N/A  
Evaporation Rate: Not Avail.

pH: 3.6

**FIRE AND EXPLOSION DATA FOR PRODUCT**

Flash Point (Test Method): N/A  
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A  
Fire Extinguishing Substances: (X) Water Fog (X) Foam (X) CO<sub>2</sub>  
(X) Dry Chem ( ) Other:

Hazardous Combustion Products: Carbon oxides and sodium oxides.

Special Firefighting Procedures: As for surrounding fire.

**REACTIVITY DATA FOR PRODUCT**

Incompatibility: ( ) Water ( ) Oxidizing Material ( ) Acid ( ) Base  
(X) Other: Strong reducing agents.  
Hazardous Decomposition Products: Carbon oxides and sodium oxides.

Chemical Stability: Stable.

\*N/A - Not applicable.

Product Name: **KAIO MULTIPURPOSE CLEANER**

**HEALTH HAZARD INFORMATION FOR PRODUCT  
EMERGENCY and FIRST AID PROCEDURES**

Inhalation: N/A.

Ingestion: Do not induce vomiting. Drink large quantities of milk or water. Get medical attention.

Eyes: Rinse with plenty of water for 15 minutes.

Skin: Rinse with water.

**EFFECTS OF OVEREXPOSURE (Acute and Chronic)**

Inhalation: No effect.

Ingestion: May cause nausea, vomiting and diarrhea.

Eyes: Causes irritation and possible eye damage.

Skin: Prolonged contact may cause irritation, defatting of tissue and dermatitis.

**PREVENTIVE MEASURES**

Steps to be taken upon release or spillage (including neutralizing):

For larger spills, contain and pick-up. For small spills, wash area with water.

Waste disposal method:

Dispose in accordance with federal, provincial and local regulations in designated landfill site.

Handling and Storage Requirements:

Store in cool, well ventilated, area away from strong oxidizers. Keep container closed when not in use.

Ventilation Requirements (Local or General):

General ventilation is sufficient.

Respiratory Protection:

Not normally necessary.

Eye Protection:

Not normally necessary. Safety glasses may be worn.

Other Protection:

Rubber gloves should be worn to minimize contact with skin.