

## KAY-5® Sanitizer

### 1. Identification of the material and supplier

#### Names

**Product name** : KAY-5® Sanitizer  
**ADG** : -  
**Supplier** : Kay Chemical Company c/o ECOLAB PTY LTD  
6 Hudson Ave, Castle Hill NSW 2154  
Customer Service phone: 1 300-300-441  
**Emergency telephone number** : 13 11 26

#### Uses

**Material uses** : Sanitizer.  
**Date of issue** : 08-October-2007

### 2. Hazards identification

**Statement of hazardous/dangerous nature** : HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.  
**Risk phrases** : R36 - Irritating to eyes.  
R22- Harmful if swallowed.  
**Safety phrases** : S2- Keep out of the reach of children.

### 3. Composition/information on ingredients

Ingredient name	CAS number	Concentration
Sodium carbonate	497-19-8	10 - <30
Troclosene sodium, dihydrate	51580-86-0	<10

Other ingredients, determined not to be hazardous according to NOHSC criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

### 4. First aid measures

**Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes. Get medical attention if irritation develops.  
**Inhalation** : Remove to fresh air. Get medical attention if symptoms occur.  
**Ingestion** : Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26).  
**Notes to physician** : No specific treatment. Treat symptomatically.

### 5. Fire-fighting measures

**Extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.  
**Fire/explosion hazards** : No specific hazard.  
**Special protective equipment for fire-fighters** : No special measures required.  
**Hazardous decomposition products** : These products are halogenated compounds hydrogen chloride

## **6 . Accidental release measures**

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- Personal precautions** : No special measures required.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Avoid creating dusty conditions and prevent wind dispersal. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

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## **7 . Handling and storage**

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- Handling** : Avoid contact with eyes, skin and clothing.
- Storage** : Store in a well-ventilated, dry place. Protect from moisture.
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## **8 . Exposure controls/personal protection**

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- Occupational exposure limits** : **No exposure standard allocated.**
- Engineering measures** : No special ventilation requirements.
- Hygiene measures** : Wash thoroughly after handling.
- Personal protection**
- Eyes** : No protective equipment is needed under normal use conditions.
- Hands** : No special protection is required.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.
- Skin** : No special protective clothing is required.
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## **9 . Physical and chemical properties**

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- Physical state** : Solid.
- Color** : White.
- Odor** : chlorine (Slight.)
- Melting point** : Not available.
- Vapor pressure** : Not available.
- Relative density** : 0.836 g/cm<sup>3</sup>
- Flash point** : Product does not support combustion.
- Vapor density** : Not available.
- pH** : 10.9 (1%)
- Solubility** : Easily soluble in the following materials: cold water.
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## **10 . Stability and reactivity**

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- Stability** : The product is stable under normal ambient conditions of temperature and pressure.
- Conditions to avoid** : None identified.
- Materials to avoid** : None identified.
- Hazardous decomposition products** : These products are halogenated compounds hydrogen chloride
- Hazardous Reactions** : Mixing this product with acid or ammonia releases chlorine gas.
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## 11 . Toxicological information

### Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : May be harmful if swallowed  
 Exposure can cause nausea, headache and vomiting.  
**Skin contact** : No known significant effects or critical hazards.  
**Eye contact** : Irritating to eyes.

### Potential chronic health effects

- Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

## 12 . Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Sodium carbonate	Lepomis macrochirus (LC50)	96 hour(s)	300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	320 mg/l
	Pimephales promelas (LC50)	96 hour(s)	<850 mg/l
Troclosene sodium, dihydrate	Daphnia magna (EC50)	48 hour(s)	0.28 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.25 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	0.46 mg/l

**Persistence/degradability** : Not available.  
**Mobility** : Not available.

## 13 . Disposal considerations

- Methods of disposal** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 14 . Transport information

Regulation	UN number	Proper shipping name	Class	Packing group	Additional information
ADG	Not regulated.	-	- (-)	-	-
IMDG	Not regulated.	-	- (-)	-	-

## 15 . Regulatory information

- Australia inventory (AICS)** : All substances are listed on AICS or exempt.

- AU Classification** : Xi - Irritant  
 R36 - Irritating to eyes.  
 R22- Harmful if swallowed.

### Standard for the Uniform Scheduling of Drugs and Poisons

Not available.

### Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

## **16 . Other information**

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**Prepared by** : Regulatory Affairs

**Date of previous issue** : **4/27/2007.**

**References**

- ADG Code - Australian Transport of Dangerous Goods
- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
- Approved Criteria for Classifying Hazardous Substances
- List of Designated Hazardous Substances
- National Code of Practice for the Labelling of Workplace Substances
- National Code of Practice for the Preparation of Material Safety Data Sheets
- National Model Regulations for the Control of Scheduled Carcinogenic Substances
- National Model Regulations for the Control of Workplace Hazardous Substances
- Standard for the Uniform Scheduling of Drugs and Poisons

**Disclaimer**

*The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.*