

KAY® Delimer™

1. Identification of the material and supplier

Names

Product name : KAY® Delimer™
 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 : Cleaning product
 Date of issue : 09-April-2007

2. Hazards identification

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

3. Composition/information on ingredients

Ingredient name	CAS number	Concentration
citric acid	77-92-9	>60

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 : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
 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 : None known..

6 . Accidental release measures

- 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.

7 . Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing.
- Storage** : Store in a well-ventilated, dry place. Protect from moisture.

8 . Exposure controls/personal protection

- Occupational exposure limits** : **No exposure standard allocated.**
- Engineering measures** : None required. However, use of adequate ventilation is good industrial practice.
- Hygiene measures** : Wash thoroughly after handling.
- Personal protection**
- Eyes** : No special protection is required.
- 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.

9 . Physical and chemical properties

- Physical state** : Solid.
- Color** : White.
- Odor** : Odorless.
- Melting point** : Not available.
- Vapor pressure** : Not available.
- Specific gravity** : Only known value: 1.54 (Water = 1) (citric acid).
- Relative density** : 0.79 g/cm³
- Flash point** : > 100°C
- Vapor density** : Not available.
- pH** : 2.7 (1%)
- Solubility** : Easily soluble in the following materials: cold water.

10 . Stability and reactivity

- 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** : None known..
- Not available.

11 . Toxicological information

Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : 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 : Not available.
Persistence/degradability : Not available.
Mobility : Not available.
Other adverse effects : No known significant effects or critical hazards.

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.

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

Prepared by : Regulatory Affairs

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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.