

# MATERIAL SAFETY DATA SHEET

Date of Issue: 8 September 2008

Product Name: Dekswood

## STATEMENT OF HAZARDOUS NATURE:

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

### Section 1 - Identification of the Material and Supplier

COMPANY DETAILS: The Flood Company Australia P/L  
 ACN 92 003 024 600  
 4 Nelson Avenue Padstow NSW 2211  
 Ph: 02 9790 5158, 1800 226-113  
 Fax: 02 9709-2604  
 A/H 02 9826-6929

#### PRODUCT:

**Product Name:** Dekswood**Other Names:** Not Applicable**Manufacturer's Product Code:** 9 314177 1600XX (XX is package size)**Use:** Timber cleaner and brightener

### Section 2 - Hazards Identification

#### Hazardous substance - Dangerous goods

##### Domestic (Land, ADG Code,)

**Proper Shipping Name:** CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S.(OXALIC ACID mixture)

Dangerous Goods Class: 8

UN Number: 3265

Packing Group: III

**Information reported for product/size:** 1L

##### International (Water, I.M.O. D.O.T.)

**Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID mixture)**Hazard Class:** 8**UN/NA:** UN3265

Packing Group: III

**Information reported for product/size:** 1L

Hazchem Code: 2R

Poisons Schedule Number: Not applicable

#### Emergency Overview

POISON! DANGER! MAY BE FATAL IF SWALLOWED. CAUSES SEVERE IRRITATION AND BURNS TO SKIN, EYES, AND RESPIRATORY TRACT. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE KIDNEY DAMAGE.

### Section 3 - Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous (NOHSC)
Oxalic Acid	144-62-7	5 - 10%	Yes
Trisodium phosphate	7601-54-9	1-5%	Yes
Water		85 - 95%	No

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## Section 4 First Aid Measures

**Swallowed:** Rinse mouth, then drink 1 or 2 large glasses of water, DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Eye:** Flush immediately with plenty of cool running water. Remove contact lenses continue flushing for 15 minutes lifting lower and upper eyelids occasionally. Call a physician immediately.

**Skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.

**Inhaled:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

IF IRRITATION PERSISTS CALL A DOCTOR

**Advice to Doctor:** Treat symptomatically

## Section 5 Fire Fighting Measures

**Fire:**

Not considered to be a fire hazard.

**Explosion:**

Not considered to be an explosion hazard.

**Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool.

**Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## Section 6 Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

J. T. Baker NEUTRASORB® acid neutralizers are recommended for spills of this product.

## Section 7 Handling and Storage

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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## Section 8 Exposure Controls/Personal Protection

### Airborne Exposure Limits:

Oxalic acid:

-ACGIH Threshold Limit Value (TLV):

1 mg/m<sup>3</sup> (TWA), 2 mg/m<sup>3</sup> (STEL)

-OSHA Permissible Exposure Limit (PEL):

1 mg/m<sup>3</sup>

Trisodium Phosphate:

No value assigned by Worksafe Australia.

TWA is the Time-Weighted Average airborne concentration over an 8-hour working day, for a 5-day working week over an entire working life.

### Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

### Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half-face respirator with an organic vapor cartridge and particulate filter (NIOSH type N95 or better filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with an organic vapor cartridge and particulate filter (NIOSH N 100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P particulate filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. This compound probably exists in both particulate and vapor phase. If vapor concentrations alone exceed the exposure limit, use a supplied air respirator. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134).

### Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

### Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9 Physical and Chemical Properties

<b>Appearance:</b>	Thick pale green liquid,
<b>Odor:</b>	lightly scented.
<b>Solubility:</b>	Soluble in water.
<b>Specific Gravity:</b>	= 1.06 (17.5C/4C);
<b>pH:</b>	No information found.
<b>% Volatiles by volume @ 21C (70F):</b>	85 to 95 %
<b>Boiling Point:</b>	101C (214F)
<b>Melting Point:</b>	-3C (27F)
<b>Vapor Density (Air=1):</b>	No information found.
<b>Vapor Pressure (mm Hg):</b>	No information found.
<b>Evaporation Rate (BuAc=1):</b>	No information found.

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## Section 10 Stability and Reactivity

**Stability:** Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide may form when heated to decomposition. May also form formic acid.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Alkalis, chlorites, hypochlorites, oxidizing agents, furfuryl alcohol, and silver compounds.

**Conditions to Avoid:** Incompatibles.

## Section 11 Toxicological Information

Oxalic acid [144-62-7]: Oral rat LD50: 7500 mg/Kg. Irritation data: Skin rabbit, Standard Draize: 500 mg/24 Hr (mild); Eye rabbit, Standard Draize: 250 ug/24 Hr (severe). Investigated as a reproductive effector.

Trisodium phosphate ORAL LD50 (rat): 7400 mg/kg

Cancer Lists Ingredient	---NTP Carcinogen---		
	Known	Anticipated	IARC Category
Oxalic Acid (144-62-7)	No	No	None
Water (7732-18-5)	No	No	None

**SAF-T-DATA**<sup>(tm)</sup> Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Poison)

Flammability Rating: 0 - None

Reactivity Rating: 1 - Slight

Contact Rating: 3 - Severe (Corrosive)

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: White (Corrosive)

### Potential Health Effects

Oxalic acid is corrosive to tissue. When ingested, oxalic acid removes calcium from the blood. Kidney damage can be expected as the calcium is removed from the blood in the form of calcium oxalate. The calcium oxalate then obstructs the kidney tubules.

**Inhalation:** Inhalation of mist or vapor may cause irritation and burns to mucous membranes of the respiratory tract.

**Ingestion:** Corrosive. Toxic. May cause burns of the mouth and esophagus, nausea, gastroenteritis and shock. Absorption can occur causing systemic poisoning. Symptoms may include headache, weak pulse, and muscle cramps. May cause kidney damage. Severe poisoning may be fatal.

Estimated fatal dose of oxalic acid is 5-15 grams.

**Skin Contact:** An irritant to the skin. May cause redness, pain, and burns to the skin. May be absorbed through the skin.

**Eye Contact:** Splashes may cause severe irritation and possible eye damage.

**Chronic Exposure:** Prolonged inhalation of mist may cause inflammation of upper respiratory tract. Skin contact may cause dermatitis. May cause kidney damage, dermatitis, cyanosis of the fingers, and possible ulceration.

**Aggravation of Pre-existing Conditions:** Persons with pre-existing skin disorders or eye problems or impaired respiratory or kidney function may be more susceptible to the effects of the substance.

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## Section 12 Ecological Information

**Environmental Fate:** No information found.**Environmental Toxicity:** No information found.

Both aerobic and anaerobic conditions biodegrade oxalic acid in less than one day.

## Section 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## Section 14 Transport Information

### Domestic (Land, ADG Code)

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Packing Group: III

**Information reported for product/size:** 1L**subsidiary risk(s):** Not applicable**Australian Hazchem Code:** 2R**Poison Schedule:** None allocated.

## Section 15 Regulatory Information

Chemical Inventory Status - Part 1

### Ingredient

Oxalic Acid (144-62-7)

TSCA	EC	Japan	Australia
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes

Yes

Yes

Water (7732-18-5)

Yes

**Australian Hazchem Code:** 2R**Poison Schedule:** None allocated.

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## Section 16 Other Information

Keep out of reach of children.

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