WOBELEA PTY. LTD.
A.C.N. 005 363 833

MATERIAL SAFETY DATA SHEET

September 2010

PRODUCT NAME: **OXALIC ACID 0.1 M**

OTHER NAMES:
Acide oxalique
Ethanedioic acid
Ethanedionic acid
Dicarboxylic acid

TRADE NAMES:
Oxalic Acid
Oxalic Acid Diggers

PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Colourless Liquid

FORMULA:

Molecular formula	C2-H2-04
Structural formula	Ho-CO-Co-OH
Chemical family	Dicarboxylic acids
Boiling Point:	Range 149-160°C (300-320°F) (dihydrate)
Melting Point:	101.5°C (215°F) (dihydrate)
Vapour Pressure:	Less than 0.001 mg Hg (0.13 pa) at 20°C
Specific Gravity:	(SG) 1.65 (dihydrate); 1.90 (anhydrous) (water=1)
Flash Point:	None by standard tests
Flammability Limits:	No data
Explosive Limits:	(LEL) Not available – (UEL) Not available
Autoignition Temp:	Not available
Rel. Vapour Density:	Not applicable
Molecular Weight:	90.04 (anhydrous); 126.07 (dihydrate)
pH:	1.3 (0.1 M solution in water)

HEALTH HAZARD:

1. **Swallowed**:-
If swallowed can cause burning pain in mouth, throat and stomach, followed by vomiting (corrosive effects)

2. **Eye**:-
Severe eye irritant and can cause redness, pain and damage to the cornea if contact occurs. Immediately flush the contaminated eye(s) with lukewarm water, gently flowing water for 20 minutes, obtain medical attention immediately.

3. **Skin**:-
Irritating to skin after prolonged contact. Avoid direct contact. Wear protective gloves.

USE:

The major uses of oxalic acid are in textile cleaning, flame proofing, rust removal and fabric dyeing; metal and equipment cleaning; anti-corrosion coating; chemical intermediate and catalyst; in the ceramics, photography.