

## MATERIAL SAFETY DATA SHEET.

Prepared for:-

### ***FUTURE ENVIRONMENTAL SERVICES***

by K.L. Clark & Associates, Chemical Consultants.

The information contained herein is to the best of our knowledge correct and complete. It is meant to describe safety requirements of this product and no warranty, express or implied is made as to its fitness for a particular purpose or any other nature as to the product to which it refers

**PRODUCT: FES - \* PM HOS-COLOGY &**

**\* HOS-COLOGY - NO-SMELLS!**

**- NO-TOXICITY!**

Status: Issued F.E.S. Data Source: F.E.S.  
Un: No. Not/R D.G.Class: N/haz.Cas. No. N/A.  
G.T. EPG: N/A Spec.EPG: N/A Pack Grp: N/A  
Hazchem: Not required. Sub. Risk: N/A Poison: N/sched.  
Harmoniz: 3402.13  
Trade Name: F.E.S. \* **HOS-COLOGY.**

Manufacturer: Aikob. Mancode: G-100.  
Use: A highly efficient deodorizing compound.

INGREDIENTS:	CAS NO:	PROPORTION:
Glycine betaine compound.	107-43-7	< 10%
Malic acid.	617-48-1	< 10%
Boric acid.	10043-35-3	< 10%
Glyoxylic acid.	298-12-4	< 10%
Zinc phenol sulphonate.	127-82-2	< 10%
Diethanolamine.	11-42-2	< 10%
Polyethylene glycol.	25322-68-3	< 10%
Perfume compound non-characterised.		Trace.
Water	7732-5-18	Balance.

### PHYSICAL DESCRIPTION/PROPERTIES:

Appearance: Batches vary from either a transparent pale to an amber, medium bodied liquid, soluble in water to yeild moderately foaming solutions.

Boiling Range: Approximately 100 deg. C.

Melting Range: approx > 0 deg. C.

Specific Gravity: 1.10 +- 0.50 at 20deg. C.

Vapour Pressure: 18mm. Hg at 20deg. C

Flash Point: Non flammable.

Form: Liquid.

pH as received: 6.2 - 6.5

N/A = not applicable.

## ***FUTURE ENVIRONMENTAL SERVICES,***

P.O. Box 155, Caulfield South. Victoria. 3162. AUSTRALIA.  
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Created HOS-COLOGY 00505

**MSDS. FUTURE ENVIRONMENTAL SERVICES..**  
**FES \*PM HOS-COLOGY & \*HOS-COLOGY.**

**GENERAL - HEALTH HAZARD INFORMATION**

**TOXICITY DATA:**

Applied on mice at rate of 5ml/kg.  
No abnormalities or deaths recorded.

**ACUTE EFFECTS:** Swallowed:

May cause irritation to mouth and stomach.  
Ingestion can result in diarrhoea.

**EYES:** A moderate eye irritant.

May cause conjunctivitis, corneal burns and ulceration.

**SKIN:** Practically non harmful.

Repeated or prolonged skin contact may lead to irritation.  
Will have a defatting effect on the skin.

**INHALED:**

May cause irritation to the nose and throat.  
Not considered a feature of normal use.

**CHRONIC EFFECT:**

No known adverse chronic health effects, but un-necessary exposure to any chemical may enhance allergic conditions, but there are no known medical conditions which might be aggravated by exposure to this product.

**FIRST AID:**

Swallowed: Rinse mouth thoroughly with water immediately.  
Give water to drink. DO NOT induce vomiting. If vomiting occurs, give further water to achieve effective dilution. Seek medical, advice if effects persist.

**EYES:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.

**SKIN:** Wash affected area with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if effect persists.

**INHALED:**

Investigate possible misuse of material.  
Not considered a feature of normal use.

**ADVICE TO DOCTOR:**

Treat symptomatically.

**PRECAUTIONS FOR USE.**

**BLANKET STATEMENT:** As with all chemicals, care should be observed at all times.

**EXPOSURE STANDARDS:** No exposure limits proposed by National Occupational Health and Safety Commission (Worksafe Australia).

**ENGINEERING CONTROLS:** No special ventilation required.

As with any chemicals, care should be taken to avoid inhalation of mists or aerosols.

**PERSONAL PROTECTION:** No special protection required.

Always wash hands before eating, drinking, smoking or after using the toilet.

**GENERAL ADVISE:**

Should any adverse effect be suspected or noted, Melbourne Poisons Branch on telephone number 131126. contact the

**FLAMMABILITY:**

Non-combustible. Non flammable.

**ENVIRONMENT:**

No particular hazard to the environment.

**SAFE HANDLING INFORMATION.**

**STORAGE & TRANSPORT:** Keep containers securely sealed and protected against physical damage. No special precautions required.

This product is non-hazardous and is not considered as a Dangerous Goods in the Australian Code for the transport of Dangerous Goods by Rail or Road.

**SPILLS & DISPOSAL:**

Isolate leaking containers and stop leak if safe to do so.

Slippery when wet. Avoid accidents, clean up immediately.

Use absorbent (soil, sand, sawdust, inert material, vermiculite). Sweep up.

Collect and seal in properly labelled drums for disposal.

Wash away residue with water.

**FIRE/EXPLOSION HAZARD:** Nil hazard. Non combustible.

**CONTACT POINT: TECHNICAL MANAGER: 03 9569 2329.**

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