

## MATERIAL SAFETY DATA SHEET

## ECO XP

ISSUED

June 2013

# SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier:	46125 125ml, 46250 250ml, 46020 20L,
	46200 200L, 46000 1000L cube
Product name:	Eco XP
Chemical Name:	Not applicable
Synonyms:	Not available
Proper Shipping name:	Not applicable
Chemical formula:	Not applicable
Other means of identification:	Not available
CAS number:	Not applicable
Chemwatch:	4873-61
Version No:	3.1.1.1
Material Safety Data Sheet accore	ding to NOHSC and ADG requirements
Relevant Identified uses of the s	ubstance or mixture and uses advised against
Relevant identified uses:	Petrol additive
Details of the supplier of the safe	ety data sheet
Registered company name:	Fuel & Infrastructure Management Australasia Pty Ltd
	(FIMA)
Address:	Unit 5, 58-60 Melbourne Road, Riverstone
	NSW 2765, Australia
Telephone:	02 9627 2728
Fax:	02 9627 5728
Website:	Not available
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Emergency telephone numberAssociation/Organisation:Not availableEmergency telephone numbers:Not availableOther emergency telephone no.Not available

### **SECTION 2: HAZARDS IDENTIFICATION**

## Classification of the substance or mixture

### HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code

Poisons Schedul	e: \$5
Risk Phrases [1]	
R23/25	Toxic by inhalation and if swallowed.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65	HARMFUL – May cause lung damage if swallowed.

Legend:1. Classified by Chemwatch, 2. Classification drawn from HSIS, 3. Classification drawn from EC Directive 1272/2008 – Annex VI

#### Label elements

Relevant risk statements are found in section 2

Indication(s) of danger: T, Xn

#### Safety advice:

S01Keep locked upS07Keep container tightly closedS09Keep container in a well ventilated placeS13Keep away from food, drink and animal feeding stuffsS20When using do not eat or drink



S23	Do not breathe gas/fumes/vapour/spray			
S28	After contact with skin, wash immediately with plenty of water			
S29	Do not empty into drains	Do not empty into drains		
S35	This material and its conta	ainer must be disposed of in a safe v	vay	
S36	Wear suitable protective of	clothing		
S37	Wear suitable gloves			
S38	In case of insufficient vent	tilation, wear suitable respiratory ed	quipment	
S40	To clean the floor and all o	objects contaminated by this mater	al, use water and detergent	
S45	In case of accident or if centre (show label if poss	you feel unwell, IMMEDIATELY cor ible)	tact Doctor or Poisons information	
S46	If swallowed, IMMEDIATELY contact Doctor or Poisons Information Center (show this container or label).			
S51	Use only in well ventilated areas.			
S56	Dispose of this material and its container at hazardous or special waste collection point.			
S63	In case of accident by inhalation: remove casualty to fresh air and keep at rest.			
Other Hazards				
May produce dis	comfort of the eyes, respi	ratory tract and skin		
Vapours potenti	ally case drowsiness and d	izziness		
Repeated expos	ure potentially causes skin	dryness and cracking		
Cumulative effects may result following exposure				
Skin contact may	y produce health damage			
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS				
Substances:				
See section belo	w for composition of mixte	ures		
MIXTURES				
CAS no		percentage (weight)	Name	
		Greater than 60	heating oil	
12108-13-3		less than 4	MANGANESE2-METHYLCYCLOPEN-	

TADIENYL TRICARBONYL



## SECTION 4: FIRST AID MEASURES

### **Description of First Aid Measures:**

### Eye contact:

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelilds by occasionally lifting the upper and lower lids.
- Seek medical attention without delay, if pain persists or recurs seek medical attention
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel

Skin contact:

- Immediately remove all contaminated clothing, including footwear
- Flush skin and hair with running water (and soap if available)
- Seek medical attention in event of irritation

#### Inhalation:

- If fumes or combustion products are inhaled remove from contaminated area
- Lay patient down. Keep warm and rested
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if needed
- Transport to hospital, or doctor

#### Ingestion:

- For advice, contact poisons information centre or doctor at once.
- Urgent hospital treatment is likely to be needed
- If swallowed do NOT induce vomiting
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration
- Observe the patient carefully
- Never give liquid to a person showing signs of being sleepy or with reduced awareness ie becoming unconscious
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink
- Transport to hospital or doctor without delay

#### Indication of any immediate medical attention and special treatment needed

For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:

• Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure



- Patients should be quickly evaluated for signs or respiratory distress (eg cyanosis, tachypnea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 50 mm Hg) should be intubated.
- Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evident of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- A chest x-ray should be taken immediately after stabilization of breathing and circulation to document aspiration and detect the presence of pneumothorax.
- Epinephrine (adrenalin) is not recommended for treatment or bronchospasm because of potential myocardial sensitization to catecholamines. Inhaled cardioselective bronchodilators (eg Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.
- Lavage is indicated in patients who require decontamination; ensure use of cuffed endotracheal tube in adult patients. [Ellenhorn and Barceloux: Medical Toxicology]

## **SECTION 5: Firefighting measures**

### **Extinguishing media**

- Foam
- Dry chemical powder
- BCF (where regulations permit)
- Carbon dioxide
- Water spray or fog large fires only.

### Special Hazards arising from the substrate or mixture

## Fire Incompatibility:

Avoid contamination with strong oxidizing agents as ignition may result

## **Advice for Firefighters**

#### Fire Fighting:

- Alert Fire Brigade and tell them location and nature of hazard
- Wear breathing apparatus plus protective gloves
- Prevent, by any means available, spillage from entering drains or water course
- Use water delivered as a fine spray to control fire and cool adjacent areas.
- Avoid spraying water onto liquid pools
- Do not approach containers suspected to be hot
- Cool fire exposed containers with water spray from a protected location
- If safe to do so, remove containers from path of fire

#### Fire/Explosion Hazard:

- Combustible
- Slight fire hazard when exposed to heat or flame
- Heating may cause expansion or decomposition leading to violent rupture of containers
- On combustion, may emit toxic fumes of carbon monoxide (CO)
- May emit acrid smoke
- Mists containing combustible materials may be explosive



## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### Minor spills:

Slippery when spilt.

- Remove all ignition sources
- Clean up all spills immediately
- Avoid breathing vapours and contact with skin and eyes
- Control personal contact with the substance, by using protective equipment
- Contain and absorb spill with sand, earth, inert material or vermiculite
- Wipe up
- Place in a suitable, labeled container for waste disposal

#### Major spills:

Slippery when spilt.

Moderate hazard.

- Clear area of personnel and move upwind
- Alert Fire Brigade and tell them location and nature of hazard
- Wear breathing apparatus plus protective gloves
- Prevent, by any means available, spillage from entering drains or water course
- No smoking, naked lights or ignition sources
- Increase ventilation
- Stop leak if safe to do so
- Contain spill with sand, earth or vermiculite
- Collect recoverable product into labeled containers for recycling
- Absorb remaining product with sand, earth or vermiculite
- Collect solid residues and seal in labeled drums for disposal
- Wash area and prevent runoff into drains
- If contamination of drains or waterways occurs, advise emergency services

Personal protective equipment advice is contained in Section 8 of the MSDS

## SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

#### Safe Handling:

- Avoid all personal contact, including inhalation
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps
- DO NOT enter confined spaces until atmosphere has been checked
- Avoid smoking, naked lights or ignition sources



- Avoid contact with incompatible materials
- When handling, DO NOT eat, drink or smoke
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers
- Always wash hands with soap and water after handling
- Work clothes should be laundered separately
- Use good occupataional work practice
- Observe manufacturers storage and handling recommendations contained within this MSDS
- Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.

### Other information:

- Store in original containers
- Keep containers securely sealed
- No smoking, naked lights or ignition sources
- Store in a cool, dry, well-ventilated area
- Store away from incompatible materials and foodstuff containers
- Protect containers against physical damage and check regularly for leaks
- Observe manufacturer's storage and handling recommendations contained within this MSDS

#### Conditions for safe storage, including any incompatibilities

#### Suitable container:

- Metal can or drum
- Packaging as recommended by manufacturer
- Check all containers are clearly labeled and free from leaks

#### Storage incompatibility:

Avoid storage with oxidisers

X: must not be stored together

- O: May be stored together with specific preventions
- +: May be stored together

#### Package Material incompatibilities: N/A

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control Parameters**

**Occupational Exposure Limits (OEL)** 



#### **INGREDIENT DATA**

Source	Ingredient	Material name	TWA	STEL
Aust. Exposure	manganese 2-methyl	Methylcyclopentadienyl	0.2(mgm3)	N/A
Standards	-cyclopentadienyl tricarbonyl	manganese tricarbonyl		
		(as Mn)		

American conference of Governmental Industrial Hygienists (ACGIH) 4,5 is the documentation source

Emergency Limits						
Ingredient	TEEL-C	)	TEEL-1		TEEL-2	TEEL-3
Manganese 2-methylcycl-	0.6(pp	im)	0.6(ppm)		0.6(ppm)	7.5(ppm
Opentadienyl tricarbonyl						
Ingredient		Original ID	DLH	Revise	d IDLH	
Manganese 2-methylcyclopenta	idienyl	N.E. (mgm	3) N.E. (ppm)	500(m	gm3)	
Tricarbonyl						

### **Exposure Controls**

#### **Appropriate Engineering Controls**

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Welldesigned engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and 'removes' air in the work environment.

Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.

Employers may need to use multiple types of controls to prevent employee overexposure.

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying 'escape' velocities which, in turn, determine the 'capture felocities' of fresh circulating air required to effectively remove the contaminant.



Type of Contaminant:	Air speed:
Solvent, vapours, degreasing etc, evaporating from tank (in still air).	0.25-0.5m/s (50-100f/min)
Aerosols, fumes from pouring operations, intermittent container filling, low spe	eed 0.5-1m/s (100-200 f/min)
conveyer transfers, welding, spray drift, plating acid fumes, pickling (released a	t low
velocity into zone of active generation).	
Direct spray, spray painting in shallow booths, drum filling, conveyer loading,	1-2.5m/s (200-500f/min)
Crusher dusts, gas discharge (active generation into zone of rapid air motion)	
Grinding, abrasive blasting, tumbling, high speed wheel generated dusts	2.5-10m/s (500-2000f/min)
(released at high initial velocity into zone of very high rapid air motion).	
Within each range the appropriate value depends on:	
Lower end of the range	Upper end of the range:
<ol> <li>Room air currents minimal or favourable to capture</li> <li>Contaminants of low toxicity or of nuisance value only</li> <li>Intermittent, low production</li> <li>Large hood or large air mass in motion</li> </ol>	<ol> <li>Disturbing room air circulation</li> <li>Contaminants of high toxicity</li> <li>High production, heavy use</li> <li>Small hood-local control only</li> </ol>

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimal of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 metres distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

#### **Personal protection**

- Gloves
- Long sleeved shirt
- Feet protection
- Goggles

### Eye and face protection:

- Safety glasses with side shields, or as required
- Chemical goggles
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A
  written policy document, describing the wearing of lens or restrictions on use, should be created for each
  workplace or task. This should include a review of lens absorption and absorption for the class of
  chemicals in use and an account of injury experience. Medical and first aid personnel should be trained in
  their removal and suitable equipment should be readily available. In the event of chemical exposure,



begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation – lens should be removed in a clean environment only after

• workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. [AS/NZS 1336 or national equivalent].

### **Skin Protection:**

See hand protection below

### Hand protection:

- Butyl rubber gloves
- Neoprene gloves
- PVC gloves
- Safety footwear
- PVC boots

### **Body protection:**

See other protection below

#### Other protection:

- Overalls
- Barrier cream
- Eyewash unit

#### Thermal hazards:

#### Recommended material(s)

**Respiratory protection:** 

PVC chemical resistant type. Butyl rubber. Neoprene

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### Information on basic physical and chemical properties.

### Appearance

Brown liquid with a petroleum odour, does not mix with water

Physical state	Liquid	Relative density (water=1)	N/A
Odour	N/A	Partition coefficient n-octanol/w	vater N/A
Odour threshold	N/A	Auto-ignition temp (degrees C)	N/A
pH (as supplied)	N/A	Decomposition temp	N/A
Melting point/freezing pt (degre	es C) N/A	Viscosity (cSt)	N/A
Initial boiling pt & boiling pt ran	ge (degC) N/A	Molecular weight (g/mol)	not applicable
Flash point (degrees C)	greater than 61	Taste	N/A



Evaporation rate	N/A	Explosive properties	N/A
Flammability	N/A	Oxidising properties	N/A
Upper Explosive Limit (percentag	r <b>e)</b> N/A	Surface Tension (dyn/cm or mN/m)	N/A
Lower Explosive Limit (percentag	<b>e)</b> N/A	Volatile Component (percentageVolume)	N/A
Solubility in water (g/L)	Immiscible	Gas group	N/A
Vapour density (Air=1)	greater than 1	pH as a solution (1percent)	N/A

### SECTION 10: STABILITY AND REACTIVITY

Reactivity: See section 7

#### **Chemical stability:**

- Presence of incompatible materials
- Product is considered stable
- Hazardous polymerization will not occur

Possibility of hazardous reactions: See section 7

Conditions to Avoid: See section 7

Incompatible materials: See section 7

Hazardous decomposition products: See section 5

## SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

#### Inhaled:

Inhalation of vapour is more likely at higher than normal temperatures.

Acute effects from inhalation of high vapour concentrations may be chest and nasal irritation with coughing, sneezing, headache and even nausea.

#### Ingestion:

The liquid is highly discomforting. Ingestion may result in nausea, pain, vomiting. Vomit entering the lungs by aspiration may cause potential lethal chemical pneumonitis.



#### Skin Contact:

Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterized by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis.

Toxic effects may result from skin absorption. The material may accentuate any pre-existing skin condition.

#### Eye:

Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterized by temporary redness (similar to windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.

#### **Chronic:**

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following.

Toxicity

Eco XP

Not available

#### Manganese 2-methylcyclopentadienyl tricarbonyl

Dermal (rabbit) LD50: 140 mg/kg

Inhalation (rat) LC50: 220 mg/m3/1h \*

Inhalation (rat)LC50: 76 mg/m3/4h

Oral (rat) LD50 50mg/kg

Oral (rat) LD50:9mg/kg\*

not available

Skin (rabbit): 100 mg/24h-mild

Irritation

Refer to individual consitituents.

#### MANGANESE 2-METHYLCYCLOPENTADIENYL TRICARBONYL

For manganese 2-methylcyclopentadienyl tricarbonyl (MMT):

**Genetic Toxicity** 



Bacterial Reverse Mutation Assay: The test substance was not mutagenic in this assay with or without metabolic activation.

In Vitro Chromosomal Aberration Assay in CHO cells: An increase in the percentage of cells that contained chromosome aberrations was observed in the presence of metabolic activation, but not in the absence of metabolic activation.

**Mammalian Erythrocyte Micronucleus Test:** Two studies were performed, both of which showed no elevation in micronuclei, thus no genotoxicity.

**Repeated-dose toxicity:** A 14 week inhalation study was conducted in rats, mice and primates at dose levels of 0.3, 3.5, 30.2 ug/L. Significant toxicity was observed at the mid and high exposure levels. Based on the results of this study, it was concluded that the mouse was the species most sensitive to vapour inhalation exposure to this test material followed by the rat and monkey respectively. In addition female rodents appeared to be more sensitive than male rodents. A NOAEL of 0.3mg/L was selected based on the increased blood urea nitrogen levels observed in rats at all exposure levels.

### **Developmental Toxicity:**

Pregnant female rats were dosed on gestation days 6-15 with 0,2.0,4.5,6.5 or 9.0 mg/kg/day. Maternal toxicity was observed at the high dose level, 9mg/kg/day, as evidenced by anogenital staining and maternal weight loss early in the treatment period. A slight reduction in mean fetal body weights and a slight to moderate reduction in mean maternal body weight over the entire gestation period were noted at all treatment dose levels. No significant developmental toxicity was observed. The NOAEL for maternal effects was 6.5mg/kg and the NOAEL for developmental effects was greater than 9 mg/kg (the highest dose tested).

#### **Reproductive Toxicity:**

No published or unpublished reproductive toxicity studies on MMT were located; however, the 14 week repeat exposure inhalation study conducted in rats, mice and primates discussed above (dose levels of 0.3,3.5,30.2 ug/L) included the microscopic evaluation of both male and female rat and mouse and male primate reproductive organs. No reproductive toxicity was observed at the high exposure level in any species.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergenic). This form of dermatitis is often characterized by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellularl oedema of the epidermis.

NOAEL (inhalation) 6.2mg/m3 (rats and mice).

Acute Toxicity	Acute Toxicity (inhalation)category 2
	Acute Toxicity (oral) category 3
Skin irritation/corrosion:	n/a
Serious Eye damage/irritation:	n/a
Respiratory or skin sensitization:	n/a
Mutagenicity:	n/a
Carcinogenicity:	n/a
Reproductivity:	n/a



STOT single exposure:	n/a	
STOT repeated exposure:	STOT RE Category 2	
Aspiration hazard:	Aspiration Hazard category 1	
CMR STATUS		
SKIN		
Manganese 2-methylcyclopentadie	enyl tricarbonyl	Australia Exposure Standards – Skin
5	SECTION 12: ECOLOGICAL INFOR	MATION:
Toxicity		
DO NOT discharge into sewer or w	vaterways.	
Persistance and Degradability		
Ingredient	Persistance: water/soil	Persistance: air
	n/a	n/a
Bioaccumulative Potential		
Ingredient	Bioaccumulation	
n/a	n/a	
Mobility in soil:		

 Mobility in soil:

 Ingredient
 Mobility

 n/a
 n/a

#### SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

## Product/packaging disposal

- Consult manufacturer for recycling options and recycle where possible
- Consult State Land Waste Management Authority for disposal.
- Incinerate residue at an approved site
- Recycle containers if possible, or dispose of in an authorized landfill



## **SECTION 14: TRANSPORT INFORMATION**

Labels Required:

Marine pollutant: no

Hazchem: none

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA/DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-CODE/GGVSEE): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

## **SECTION 15: REGULATORY INFORMATION**

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Manganese 2-methylcyclopentadienyl tricarbonyl (12108-13-3) is found on the following regulatory lists

"Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) schedule 6", "Australia Inventory of chemical Substances AICS", "Australian Standard for the Uniform Scheduling of Medicines and Poisons SUSMP schedule 7" "Fisher Transport Information", "Sigma-Aldrich Transport Information", "GESAMP/EHS Composite List – GESAMP Hazard profiles", "IMO IBC CODE CHAPTER 17: Summary of minimum requirements", "OECD list of high production volume HPV Chemicals", "Australia Hazardous Substances", "Australia Exposure Standards", "International Maritime Dangerous Goods Requirements IMDG Code – List of Emergency Action Codes", "International Maritime Dangerous Goods Requirements IMDG Code – List of Emergency Action Codes", "International Maritime Dangerous Goods Requirements IMDG Code", "Australia Dangerous Goods Code ADG Code – Dangerous Goods Iist", "Australia National Pollutant Inventory", "Australia - Victoria Occupational Health and Safety Regulations – schedule 9: Materials at Major Hazard Facilities (And Their Threshold quantity) table 2"

#### **SECTION 16: OTHER INFORMATION**

#### **Other Information**

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

#### www.chemwatch.net/references

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Management. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposure Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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