

AGRIFOS 400

MATERIAL SAFETY DATA SHEET

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1.0 IDENTIFICATION

UN NO.:	Not Applicable
HAZCHEM:	Not Applicable
DANGEROUS GOODS CLASS:	Not Applicable
PACKAGING GP:	Not Applicable
EPG:	Not Applicable
POISON SCHEDULE:	Not Applicable
	NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA.
PRODUCT NAME:	AGRIFOS 400
OTHER NAMES:	Not Applicable
CAS NUMBER	Not Applicable
USES:	Systemic Fungicide

1.1 PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE	Blue Liquid	SOLUBILITY IN WATER:	Soluble
BOILING POINT (°C):	> 100° C	MELTING POINT (°C)	Not Applicable
VAPOUR PRESSURE:	Not Available	SPECIFIC GRAVITY :	1.35
FLAMMABILITY:	Not Applicable	FLAMMABILITY LIMITS:	Not Applicable
pH:	5.5 - 6.0		

1.2	INGREDIENTS
	CHEMICAL NAME
	Mono and Di Potassium Phosphite

2.0 HEALTH HAZARD INFORMATION

2.1 HAZARDOUS REACTIONS:

HAZARDS:	Store away from combustible materials, herbicides, and fungicides. Store in well sealed container in cool dry place.
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2.2 ACUTE EFFECTS:

SWALLOWED:	Ingestion may cause diarrhoea, nausea, vomiting and cramps.
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EYE:	A mild irritant to eyes.
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SKIN:	Mildly irritating to skin.
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INHALED:	Nil.
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2.3 CHRONIC EFFECTS

CHRONIC:	Not available.
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2.4 FIRST AID

SWALLOWED:	Drink plenty of water. DO NOT induce vomiting.
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EYE:	Rinse with plenty of water for 15 minutes. See a Doctor.
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SKIN:	Rinse with plenty of water.
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2.5 ADVICE TO DOCTOR

ADVICE TO DOCTOR:	No special treatment is indicated, treat symptomatically.
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3.0 PRECAUTIONS FOR USE

3.1 INDUSTRIAL HYGIENE

Avoid unnecessary contact with product and remove all contaminated clothing. Wash hands and face before eating.

3.2 PERSONAL PROTECTION

Respiratory: Nil

Eyes: Goggles

Hand: Rubber Gloves

Other: Protective Clothing

3.3 FLAMMABILITY

FLAMMABILITY:	Not Applicable.
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4.0 SAFE HANDLING INFORMATION	
4.1 STORAGE / TRANSPORT	
STORAGE/TRANSPORT:	Store away from combustible materials, herbicides and fungicides. Store in well sealed container in cool dry place.
SPILLS & DISPOSAL:	Rinse empty drums with water and add to spray mix. Dispose of drum at a suitable site. For any spillage wash with plenty of water or absorb with earth or other inert material.
FIRE & EXPLOSION HAZARDS:	This is not a flammable material. Some gases such as phosphorus oxides may be released. In smoke or fumes wear self contained breathing apparatus. Advise fire brigade of any hazard, suitable for more extinguishing media.

5.0 OTHER INFORMATION & REFERENCES

Avoid contact with:	
1.	Strong bases
2.	Strong oxidising agents
3.	Metals – is corrosive to most.
On the data available this is not a dangerous product. The usual precautions should be observed when using fertiliser products.	
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5.1 CONTACT POINTS

CONTACT NUMBERS:	Australian Poisons Information Centre 13 11 26
	Agrichem Manufacturing Ind. P/L 4-8 Chetwynd St, PO Box 4037, Loganholme, Qld, Australia 4129 Phone: +61 7 3801 4888 Fax: +61 7 3801 4296 Website http://www.agrichem.com.au Email: agrichem@agrichem.com.au

AGRICHEM®

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

Product Name	PENTRA-BARK
Synonyms	Polyalkyleneoxide modified heptamethyltrisiloxane
Chemical Family	Silicone-Polyether Copolymer
General Description	Silicone Based Surfactant

2. HAZARDOUS INGREDIENTS

OSHA REGULATED

COMPONENT	CAS. NO	WT%	EXPOSURE LIMITS
Polyalkyleneoxide modified heptamethyltrisiloxane			

3. EFFECTS OF OVEREXPOSURE

IF IN EYES: Severely irritating.
IF ON SKIN: Slightly irritating. This material could increase dermatitis conditions.
IF INGESTED: Not expected to cause adverse effects unless swallowed in large amounts.
IF INHALED: Not expected to cause adverse conditions.

4. EMERGENCY FIRST AID

IF IN EYES: Hold eyelids open and flush with a steady stream of water for at least 15 minutes. GET MEDICAL ATTENTION.
IF ON SKIN: Wash affected area with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing separately.
IF INGESTED: If large amounts are accidentally ingested, call a physician or poison control center.
IF INHALED: Remove to fresh air. Apply artificial respiration if necessary.

5. REACTIVITY DATA

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: None known.
POLYMERIZATION: Will not occur.
DECOMPOSITION PRODUCTS: Silicon dioxide, carbon dioxide, and traces of incompletely burned carbon products.

6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Clear to amber liquid. Slight polyether odor.
BOILING POINT: 760 mm Hg:>150° C (copolymer)
FREEZING POINT: Not determined
PH: 7.4
SPECIFIC GRAVITY: 1.046
VAPOR PRESSURE: At 20° C <1mm Hg
% VOLATILE (by weight %): <1
EVAPORATION RATE (Ether=1): <1
SOLUBILITY IN WATER: Soluble

7. NFPA HAZARD RATING (National Fire Protection Association)

	FIRE	FIRE:	Materials that must be preheated before ignition can occur.
HEALTH 1	0	HEALTH:	Materials which on exposure should cause irritation but only minor residual injury even if no treatment is given.
	0 REACTIVITY	REACTIVITY:	Materials which in themselves are normally stable, even under fire exposure conditions, and which are
	-		
	SPECIAL		

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	240° F (PMCC)
FLAMMABLE LIMITS IN AIR:	Not determined
AUTOIGNITION TEMPERATURE:	Not determined
EXTINGUISHING MEDIA:	Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer, or ordinary) for large fires. Water stream may spread flames.
SPECIAL FIRE FIGHTING PROCEDURES:	Fire fighters should use self-contained breathing apparatus and full turnout gear. Prevent runoff of firewater. Avoid exposure to smoke.
UNUSUAL FIRE HAZARD:	Do not use water or foam directly on the fire.

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Store in a cool, dry area away from sources of heat or ignition.
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10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Not required under normal use conditions. If required, use NIOSH/MSHA approved respirator for organic vapors.
VENTILATION:	Local exhaust.
PROTECTIVE GLOVES:	Chemical resistant gloves.
EYE PROTECTION:	Safety glasses.
OTHER PROTECTION:	Chemical resistant coveralls or apron.
USER SAFETY RECOMMENDATIONS:	Safety showers and eyewash should be easily accessible.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:	Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 – 2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.
WASTE & CONTAINER DISPOSAL:	Dispose of in accordance with Federal, State, and Local regulations.
CONTAINER DISPOSAL:	Dispose of in an approved facility according to Federal, State and Local regulations.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

A.	Sara regulated compounds	Section	CAS No.	Percent
	Not Listed	302-304		
	Not Applicable	312		
	Not Listed	313		

The recommendation for safe handling and protection procedures are believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is releases as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without license. All data is offered for consideration, investigation and verification purposes only.

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