



# AUSTASIA ANIMAL PRODUCTS Pty Ltd

ABN: 86 083 458 566

## MATERIAL SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Revision Date:</b>	<b>April, 2017</b>		
<b>Product Name:</b>	<b>FLAKERITE®</b>		
<b>Other Names:</b>	N/A		
<b>Uses:</b>	A surfactant used as a wetting agent in the livestock and feed milling industries.		
<b>Contact Information:</b>	<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
	Austasia Animal Products Pty Ltd	29 Wongajong Road Forbes, NSW 2871	+61 2 6851 1747
	Poison Information Centre	Westmead NSW Australia	131126
	Chemcall 24hr Emergency Number	Australia New Zealand	1800-127406 0800-243622
	National Poisons Centre	New Zealand	0800-764766

### SECTION 2. HAZARDS IDENTIFICATION

<b>Hazard:</b>	Not hazardous according to criteria of NOHSC/ASCC.
<b>Risk Phrases:</b>	No data available.
<b>Safety Phrases:</b>	No data available.
<b>ERMA New Zealand Approval Code:</b>	No data available.
<b>HSNO Hazard Classification:</b>	This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO controls assigned to this substance. The ERMA Web Site should be consulted for a full list of trigger controls and cited regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportions (%)
Surfactant and water	N/A	≤75%
Ethanol	[4-17-5]	≤25%

### SECTION 4. FIRST AID MEASURES

<b>Description of necessary measures according to routes of exposure.</b>	
<b>Swallowed:</b>	Rinse mouth with water. Give water to drink. Do NOT induce vomiting. If symptoms develop, seek medical attention.
<b>Eye:</b>	Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

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<b>Skin:</b>	Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation occurs, seek medical attention.
<b>Inhaled:</b>	Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
<b>Advice to Doctor:</b>	Treat symptomatically based on judgment of doctor and individual reactions of patient.
<b>Aggravated medical conditions caused by exposure:</b>	No information available on medical conditions aggravated by exposure to this product. NOTE: This product contains no artificial additives or preservatives and can be used by animals, plants, and/or micro-organisms.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. These may include water, carbon dioxide, or dry chemical foam.
<b>Hazards from Combustion Products:</b>	Non-flammable, non-explosive. Avoid production of extremely dusty air in areas of local burning or electrical sparking. Incompatible with acids. Hazardous decomposition products are unknown.
<b>Special Protective Precautions and Equipment for Fire Fighters:</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<b>Flammability Conditions:</b>	Product is a non-flammable liquid.
<b>Hazchem Code:</b>	N/A

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	Avoid accidents, clean up immediately. Slippery when wet. Personnel involved in the clean up should wear full protective clothing as listed in section 8. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. Avoid loose product on floor in damp areas, as product may become slippery with the addition of water.
<b>Methods and Materials for Containment and Clean Up:</b>	Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labeled container and dispose of promptly. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

## SECTION 7. HANDLING & STORAGE

<b>Precautions for Safe Handling:</b>	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes. Avoid contact with water.
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<b>Conditions for Safe Storage (Including Any Incompatibles):</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, water, moisture, high humidity. Store in dark area. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
<b>Container Type:</b>	Store in original packaging as approved by manufacturer.

## SECTION 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

<b>National Exposure Standards:</b>	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m <sup>3</sup> (for inspirable dust) and 3mg/m <sup>3</sup> (for respirable dust).
<b>Biological Limit Values:</b>	No information available on biological limit values for this product.
<b>Engineering Controls:</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. 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.
<b>Personal Protection:</b>	RESPIRATOR: Wear a respirator fitted with an organic vapour filter (Type A) where dusts/vapours are generated and engineering controls are inadequate (AS1715/1716). EYES: Safety glasses with side shields (AS1336/1337). HANDS: Wear rubber or PVC gloves (AS2161). CLOTHING: Long-sleeved protective clothing and safety footwear (AS3765/2210).
<b>General Precautions:</b>	Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	A pink, pink/red aqueous solution with a fruity aromatic odour.
<b>Formula:</b>	Unspecified.
<b>Odour:</b>	Unspecified.
<b>Vapour Pressure:</b>	Not applicable.
<b>Vapour Density:</b>	Not applicable.
<b>Boiling Point:</b>	78-87°C
<b>Melting Point:</b>	Not applicable.
<b>Solubility in Water:</b>	Miscible.
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.0
<b>Flash Point:</b>	Not applicable.
<b>pH:</b>	Not applicable.
<b>Lower Explosion Limit:</b>	Not applicable.
<b>Upper Explosion Limit:</b>	Not applicable.
<b>Ignition Temperature:</b>	Not applicable.
<b>Specific Heat Value:</b>	Not applicable.
<b>Particle Size:</b>	Not applicable.
<b>Volatile Organic Compounds (VOC) Content:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not applicable.
<b>Viscosity:</b>	Not applicable.
<b>Percent Volatile:</b>	Not applicable.
<b>Octanol/Water partition coefficient:</b>	Not applicable.
<b>Saturated Vapour Concentration:</b>	Not applicable.
<b>Additional Characteristics:</b>	Not applicable.

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<b>Flame Propagation/Burning Rate of Solid Materials:</b>	Not applicable.
<b>Properties of Materials That May Initiate or Contribute to Fire Intensity:</b>	Not applicable.
<b>Potential for Dust Explosion:</b>	Not applicable.
<b>Reactions that Release Flammable Gases:</b>	Not applicable.
<b>Fast of Intensely Burning Characteristics:</b>	Not applicable.
<b>Non-flammables That Could Contribute Unusual Hazards to a Fire:</b>	Not applicable.
<b>Release of Invisible Flammable Vapours and Gases:</b>	Not applicable.
<b>Decomposition Temperature:</b>	Not applicable.
<b>Additional Information:</b>	No data available.

## SECTION 10. STABILITY & REACTIVITY

<b>Chemical Stability:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Conditions to Avoid:</b>	Avoid excessive heat, generating dust, direct sunlight, moisture, water, and high humidity.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	No information available on Hazardous decomposition products for this material.
<b>Hazardous Reactions:</b>	Hazardous Polymerisation will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

<b>Toxicity Data:</b>	No toxicological information available for this product.
<b>Health Effects - Acute</b>	
<b>Swallowed:</b>	Non-toxic. Ingestion of moderate amounts of any material can cause nausea and vomiting.
<b>Eye:</b>	Non-irritating to ocular tissue.
<b>Skin:</b>	Non-irritating.
<b>Inhaled:</b>	Non-irritating under normal use conditions. Inhalation of large amounts of mists will cause temporary breathing problem.

## SECTION 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Persistence and Degradability:</b>	Biodegradable.
<b>Mobility:</b>	No information available on mobility for this product. Insoluble in water.
<b>Environmental Fate (Exposure):</b>	Avoid contaminating waterways, drains and sewers.
<b>Bioaccumulative Potential:</b>	No information available on bioaccumulation for this product.

## SECTION 13. DISPOSAL CONSIDERATIONS

<b>Disposal:</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State,
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	and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Special Precautions for Land Fill or Incineration:</b>	Contact a specialist disposal company or the local waste regulator for advice. By disposal in approved land fill.

## SECTION 14. TRANSPORT INFORMATION

Land Transport	
<b>UN Number:</b>	Not applicable.
<b>Shipping Name:</b>	FLAKERITE®
<b>Dangerous Goods Class:</b>	Not applicable.
<b>Subsidiary Risk:</b>	Not applicable.
<b>Pack Group:</b>	Not applicable.
<b>Precaution for User:</b>	No data available.
<b>Hazchem Code:</b>	N/A
Sea Transport	
<b>UN Number:</b>	Not applicable.
<b>Shipping Name:</b>	FLAKERITE®
<b>Dangerous Goods Class:</b>	Not applicable.
<b>Subsidiary Risk:</b>	Not applicable.
<b>Pack Group:</b>	Not applicable.
<b>Precaution for User:</b>	No data available.
<b>Hazchem Code:</b>	N/A

## SECTION 15. REGULATORY INFORMATION

<b>No data Available.</b>	
<b>Poisons Schedule:</b>	N/A
<b>EPG:</b>	N/A
<b>AICS Name:</b>	No data available.
<b>NZ Toxic Substance:</b>	No data available.
<b>HSNO Hazard Classification:</b>	No data available.
<b>ERMA Approval Code:</b>	No data available.

## SECTION 16. OTHER INFORMATION

<b>Literature References:</b>	No data available.		
<b>Sources for Data:</b>	No data available.		
Legend to abbreviations and acronyms:			
<	less than	<b>mg/kg</b>	milligrams per kilogram
>	greater than	<b>mg/m3</b>	milligrams per cubic meter
<b>AICS</b>	Australian Inventory of Chemical Substances	<b>Misc</b>	miscible
<b>CAS</b>	Chemical Abstracts Service (Registry Number)	<b>miscible</b>	liquids form one homogeneous liquid phase regardless of the amount of either component present
<b>cm2</b>	Square centimeters	<b>mm</b>	millimeter
<b>CO2</b>	Carbon Dioxide	<b>mPa.s</b>	milli Pascal per second
<b>COD</b>	Chemical Oxygen Demand	<b>N/A</b>	Not Applicable
<b>deg C ( °C )</b>	degrees Celsius	<b>NOHSC</b>	National Occupational Health and Safety Commission

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<b>ERMA</b>	Environmental Risk Management Authority	<b>OECD</b>	Organization for Economic Co-operation and Development
<b>G</b>	Gram	<b>PEL</b>	Permissible Exposure Limit
<b>g/cm<sup>3</sup></b>	grams per cubic centimeter	<b>ppb</b>	parts per billion
<b>g/l</b>	grams per liter	<b>ppm</b>	parts per million
<b>HSNO</b>	Hazardous Substance and New Organism	<b>ppm/2h</b>	parts per million per 2 hours
<b>IDLH</b>	Immediately Dangerous to Life and Health	<b>ppm/6h</b>	parts per million per 6 hours
<b>immiscible</b>	liquids are insoluble in each other	<b>RCP</b>	Reciprocal Calculation Procedure
<b>kg/m<sup>3</sup></b>	kilograms per cubic meter	<b>STEL</b>	Short Term Exposure Limit
<b>LC50</b>	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.	<b>TLV</b>	Threshold Limit Value
<b>LD50</b>	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals	<b>tne</b>	tonne
<b>ltr</b>	Liter	<b>TWA</b>	Time Weighted Average
<b>m<sup>3</sup></b>	cubic meter	<b>ug/24H</b>	micrograms per 24 hours
<b>mbar</b>	mill bar	<b>UN</b>	United Nations (number)
<b>Mg</b>	milligram	<b>wt</b>	weight
<b>mg/24H</b>	milligrams per 24 hours		

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