

**MATERIAL SAFETY DATA SHEET.**

**PRODUCT: 'COSMOTRON'<sup>®</sup> DPU-AC POWDER**

SUPER PLASTICISER/HIGH RANGE WATER REDUCING  
 ADMIXTURE FOR CONCRETE.

**PRODUCT IDENTIFICATION**

U.N. NO	: Not Applicable	Spec. EPG	: Not Applicable
Hazchem	: Not Applicable	CAS No	: Not Applicable
G.T. EPG	: Not Applicable	(See 'COMPOSITION' below)	
D.G. Class	: Not Applicable	Poisons	: Not Applicable
Sub. Risk	: Not Applicable	Pack. Grp	: Not Applicable

**TRADE NAME:**

**'COSMOTRON'<sup>®</sup> DPU-AC POWDER. SUPERPLASTICISER FOR CONCRETE.**

**OTHER NAMES:**

1. Modified Sodium Napthalene Sulphonate.
2. Modified Napthalene Sulphonic Acid Condensation product.

**USE:**

Concrete flow agent and High range water reducing admixture for concrete, mortars, grouts etc. Stabiliser, particulate dispersing agent - especially for ultrafine pigments, minerals etc., Rheology modifier and emulsifying agent for the ink, paint, chemical and allied industries. Secondary emulsifying agent and auxiliary for the processing of rubber latex and the polymerisation of synthetic rubber and polymer emulsions or dispersions.

**SYNONYMS:**

<b>PHYSICAL DESCRIPTION/PROPERTIES:</b>			
Appearance:	Light Brown powder	pH:	9.5-10.5 (at 100 g/l water; 23°C)
Flash Point:	> 100°C (DIN 51758)	Solubility in water:	soluble (20°C)
Auto Ignition Temp.	> 200°C (DIN 51794)	Bulk Density:	approx. 500 kg/m <sup>3</sup>
Decomposition Temp:	> 260°C		

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'ABILOX<sup>®</sup>' Mineral Oxide Dry Colour Pigments, other Powder Pigments and Pigment Dyestuffs; Dispersing agents; Additives for all industries; 'EFFLOREIN<sup>®</sup>', anti-efflorescent, 'COSMOTRON<sup>®</sup>' DPU-AC super water-reducing and other Chemical Admixtures and Raw Materials for improving, protecting and decorating concrete and mortar. 'THE PAINT', 'DURO-SEEL', 'DY-ON-CRETE<sup>®</sup>', 'AQUA-DURA', 'DIAMOND-KOTE' and other Surface Treatments, Applied Finishes and long life Coatings for concrete and other building surfaces as well as other unique products for the building and construction industries.

ASSISTING IN BUILDING WITH STRENGTH, WISDOM and BEAUTY.

**COMPOSITION:**

Ingredient		
Napthalene sylphonic acid condensation product (Sodium salt)	9084-06-4	89-92%
Sodium sulphate	7757-82-6	1 - 2%
Water	7732018-5	4 - 6%

**HEALTH HAZARD INFORMATION:**

<b>ACUTE EFFECTS:</b>	
Eyes:	Contact with eyes may cause irritation.
Skin:	Short to mid term contact with skin is not likely to cause irritation.
Inhaled:	May cause irritation of respiratory tract.
Swallowed:	Considered slightly toxic if ingested. May cause irritation of gastrointestinal tract.
<b>CHRONIC EFFECTS:</b>	Prolonged or repeated skin contact may cause sensitisation.
<b>FIRST AID:</b>	
Eyes:	Rinse affected eyes thoroughly - preferably within one minute of contact under running water for 15 minutes with eyelids held open. Seek specialist advice from a Physician if irritation occurs.
Skin:	Wash effected skin thoroughly with soap and water.
Inhaled:	Remove to fresh air.
Swallowed:	Give a conscious patient several glasses of water, then induce vomiting by tickling back of throat with finger. Seek medical attention quickly. Never give anything by mouth to an unconscious person.
Other First Aid:	Remove contaminated clothing and footwear.
Advice to Physicians:	Treat Symptomatically.
Toxicity Data:	Acute oral toxicity: LD50 approx. 4500 mg/kg. (rat). Acute dermal irritation: Some irritation (rabbit). Acute eye irritation: moderate irritation (rabbit's eye).

**PRECAUTIONS FOR USE:**

Exposure Standards:	Although no TLV has been assigned for this product we recommend the following for nuisance dusts; TLV (Particulates Not Otherwise Classified): 10 mg/m <sup>3</sup> nuisance dust.
Engineering Controls:	Ensure workplace is well ventilated. Provide local exhaust ventilation.
Personal Protection:	The following personal protective equipment is recommended; Chemical splash goggles, rubber or plastic gloves, dust mask/NIOSH and/or NSHA approved respirator if necessary.
Flammability:	Slightly flammable.
Environment:	If introduced in concentrations up to 200 mg/l, this chemical substance should not affect the decomposing activity of the activated sludge in an operating biological water treatment plant. Degradability: 20-60% (OECD-Confirmatory-Test, TOC) Fish toxicity (of a chemically similar product): LC50 100-500 mg/l (Golden orfe, 96 h).

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**PRECAUTIONS FOR USE (Continued):**

Other Precautions:	Avoid dust formation. Wear an approved respirator when handling large amounts of this product without a dust extraction plant. The precautionary measures normally applied when handling chemicals are to be observed.
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**SAFE HANDLING INFORMATION:**

Storage and Transport:	This product is not classified as a dangerous good under the provisions of the Australian Code for the transport of Dangerous Goods by Road and Rail. Protect from moisture. Avoid dust formation. Not regulated for transportation in USA and most other countries.
Packaging and Labelling:	No special requirements.
Spills and Disposal:	Sweep up together with a dust binding agent or use an industrial vacuum cleaner. Small amounts may be disposed together with industrial waste in accordance with local regulations. Large amounts may be incinerated at an approved industrial incinerator in accordance with applicable Federal, State and Local regulations. Wear adequate personal protective clothing and equipment.
Reactivity Data:	No incompatible substances, hazardous decomposition products or hazardous reactions have been observed with this product, provided it is stored and handled correctly.
Fire/Explosion Hazard:	Fire extinguishing method: Water spray/CO <sub>2</sub> /Foam Dry extinguishing agent.
Special Protection Measures:	Cool exposed containers with water spray. Use self contained breathing apparatus in confined areas.
Unusual Fire & Explosion Hazards:	None.
Other Safe Handling:	Wash hands before work breaks and at the end of the working day.

**CONTACT POINTS:**

EMERGENCY PHONE NUMBER: (03) 9457 6488; AFTER HOURS: (03) 9457 3543.

For additional non emergency information contact the Public Officer on (03) 9457 6488.

THIS INFORMATION IS BASED ON OUR PRESENT LEVEL OF KNOWLEDGE. IT IS THEREFORE SUBJECT TO POSSIBLE CHANGE AND THEREFORE CANNOT BE GUARANTEED.

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