

MATERIAL SAFETY DATA SHEET**PRODUCT: 'COSMOTRON®' DPU-CA POWDER****PRODUCT IDENTIFICATION**

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

TRADE NAMES:**'COSMOTRON®' DPU-CA POWDER****OTHER NAMES:**

1. Sodium Napthalene Sulphate;
2. Condensation product of Napthalene Sulphonic Acid

USE:

Stabiliser, particulate dispersing agent – especially for ultrafine particle pigments, minerals etc., viscosity reducer, plasticiser and emulsifying agent for aqueous formulae in the ink, paint, concrete, chemical and allied industries. Emulsifying/dispersing agent and auxiliary for the manufacture and processing of rubber latex and secondary emulsifier for the polymerisation of synthetic rubber aqueous dispersions.

SYNONYMS:**PHYSICAL DESCRIPTION/PROPERTIES:**

Appearance:.....Light brown powder
Flash Point:.....> 100°C (DIN 51758)
Auto Ignition Temp.:.....> 200°C (DIN 51794)
Decomposition Temp.:.....> 260°C
pH:.....9.5 – 10.5 (at 100 g/l water; 23°C)
Solubility in water:.....soluble (20°C)
Bulk Density:.....approx. 500 kg/m³

COMPOSITION:

| <u>Ingredient</u> | <u>Cas. No.</u> | <u>Proportion.</u> |
|--|------------------------|---------------------------|
| Napthalene sulphonic acid condensation product | | |
| Sodium salt | 9084-06-4 | 92 – 95% |
| Sodium sulphate | 7757-82-6 | 1 – 2% |
| Water | 7732-18-5 | 4 – 6% |

HEALTH HAZARD INFORMATION

ACUTE EFFECTS:

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| 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. |

CHRONIC EFFECTS:

Prolonged or repeated skin contact may cause sensitisation.

FIRST AID:

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| Eyes: | Rinse affected eyes thoroughly within one minute under running tap water for 15 minutes with eyelids held open. Seek specialist advice if irritation occurs. |
| Skin: | Wash affected 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 Doctors: | Treat Symptomatically. |
| Toxicity Data: | Acute oral toxicity: LD50 approx. 4500 mg/kg (rat). Acute dermal irritation: no irritation (rabbit). Acute eye irritation: moderate irritation (rabbit's eye). |

PRECAUTIONS FOR USE

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| 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 ³ nuisance dust. |
| Engineering Controls: | Ensure workplace is well ventilated. Local exhaust ventilation recommended. |
| Personal Protection: | The following personal protective equipment is recommended; Chemical splash goggles, rubber or plastic gloves, dust mask/ NIOSH and/or MSHA 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, 96h). |
| Other Precautions: | Avoid dust formation. Wear an approved respirator when handling large amounts of product without a dust extraction plant. The precautionary measures normally applied when handling chemicals are to be observed. |

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 U.S.A. and most other countries.
- Packaging & Labeling: No special requirements.
- Spills and Disposal: Sweep up together with dust binding agent such as dry sand or sawdust or use a 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 / CO₂ / Foam / Dry extinguishing Agent.
- Special Protection Measures: Cool exposed containers with water spray. Use self contained breathing apparatus in confined areas.
- Unusual Fire and 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.

END OF MSDS: