



# COSMOTRON<sup>®</sup> DPU-CA

## A particulate dispersant for quicker, more efficient mixing and particle de-flocculation

### PRODUCT OVERVIEW:

'Cosmotron<sup>®</sup> DPU-CA is a rapidly dissolving powder-dispersing aid, which is non-foaming and is used to efficiently disperse many types of fine particle powders in industrial processes involving water-based systems.

### ECOLOGICALLY SUSTAINABLE DEVELOPMENT:

Developed with a strong focus on ESD, 'Cosmotron<sup>®</sup> DPU-CA is easy and safe to use, contains no VOC's (Volatile Organic Compounds), and does not emit climate-warming 'greenhouse' gasses.

### USE WITH:

'Cosmotron<sup>®</sup> DPU-CA is an instantly dissolving powder dispersant, which can be used in:

- ✱ Particulate pigment dispersions, suspensions in water
- ✱ With poly acrylate type dispersants to improve dispersing efficiency
- ✱ The manufacture of chemical admixtures for concrete and mortars
- ✱ To produce ceramic and pottery products to improve rheology
- ✱ In the manufacture of cement and/or lime bound, aqueous coatings and water based paints

### BENEFITS:

'Cosmotron<sup>®</sup> DPU-CA powder reduces clumping and lumpiness of fine particle solids in water mixtures providing free flowing pastes without agglomerates:

- ✱ It is an efficient emulsifier, stabiliser, 'wetting', 'suspending' and surface active agent for use in water based liquid products

- ✱ 'Cosmotron<sup>®</sup> DPU-CA increases extrusion ease with *less* water at a given consistency

### DOSAGE RATES:

'Cosmotron<sup>®</sup> DPU-CA is recommended for use with a dosage rate of between 0.1% to 1.0% on binder content depending on the product.

### PACKAGING:

'Cosmotron<sup>®</sup> DPU-CA is available in 25kg fully degradable paper sacks.

### STORAGE:

For maximum shelf life, 'Cosmotron<sup>®</sup> DPU-CA should be stored out of direct sunlight, in dry conditions. It has a storage shelf life of 12 months when kept in a dry place in tightly closed packaging.

### PRECAUTIONS:

'Cosmotron<sup>®</sup> DPU-CA powder is a non-hazardous, substance and is classed as a non-dangerous good, however, it is recommended that the following Personal Protective Equipment (PPE) and precautions are followed when handling and using the product:

- ✱ Wear full overalls, gloves safety goggles
- ✱ Avoid skin and eye contact
- ✱ Avoid inhalation – use a dust mask or NOISH approved respirator if there is a dust potential
- ✱ Always wash hands before eating, drinking, smoking or using the toilet
- ✱ Wash any contaminated clothing or protective equipment prior to storage or reuse

For further Health and Safety information, please refer to 'Cosmotron<sup>®</sup> DPU-CA Material Safety Data Sheet (MSDS), which is available from Ability Building Chemical Co.



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