



DUST MANAGEMENT
DUSTSET 2020 CONCENTRATE

INFINITE POSSIBILITIES
INTERGRATING PRODUCTS
INNOVATION PERSONIFIED

Call: 1300 320 110

sales@ifield.com.au

www.ifield.com.au





DUSTSET 2020 CONCENTRATE



HIGHLY EFFECTIVE WETTING SOLUTION TO MINIMISE AND CONTROL DUST

USE LESS WATER

DUSTSET 2020 has exceptional wetting characteristics, DUSTSET 2020 Concentrate will reduce water requirements at least 50% in situations such as haul roads. This allows tankers to cover up to twice the mine site area or alternatively reduce tanker requirements.

SATURATES DEEPLY

DUSTSET 2020 Concentrate will saturate roads and stockpiles to a depth of 50 mm or more and retaining a moist surface and substarata moisture in high temperatures and high winds for prolonged periods. Does not require the road to be preconditioned by scarping, ploughing, breaking up or loosing in either above ground or below surface applications and improves the compaction condition of haul roads.

REDUCES RESPIRABLE DUST

DUSTSET 2020 Concentrate reduces dust in underground mines by more than 50% and visible dust almost totally.



TYPICAL APPLICATIONS:

- ◆ **MINE HAUL ROADS** – SUCH AS COAL, OTHER ORE MINES & QUARRIES
- ◆ **PUBLIC ROADS** – WHEN UNDER CONSTRUCTION OR REPAIR
- ◆ **STOCKPILES** – DUST FROM COAL OR OTHER MINERALS / MATERIALS MUST BE MINIMISED
- ◆ **MATERIALS HANDLING** – CONVEYORS, HOPPERS, DISCHARGE CHUTES, CRUSHER & TRANSFER POINTS
- ◆ **UNDERGROUND** – SHEARERS, CONTINUOUS MINERS, DRILLS, DECLINES
- ◆ **POWER STATIONS** – FOR ASH DUST CONTROL



Underground
dust suppression



Stockpile
dust control

CAPABLE OF REDUCING WATER SURFACE TENSION BY MORE THAN 80% AT RATIOS OF UP TO 1:4000



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DUSTSET 2020 PRODUCT ADVANTAGES

- ◆ Contains anti-foaming agent
- ◆ Will not interfere with C-I-L and C-I-P extraction process or “downstream” effects in coal handling preparation plants etc.
- ◆ Rapid wetting of fine dust particles is greatly enhanced in dynamic cutting, crushing or handling to prevent labile dust particles escaping into the air.
- ◆ Keeps spray nozzles, water lines and equipment from rusting and corroding with no adverse reaction on hydraulic fluids or seals
- ◆ Completely miscible without agitating or stirring
- ◆ Lower freight cost

DUSTSET 2020 CONCENTRATE COMPOSITION

- ◆ Non hazardous
- ◆ Non flammable
- ◆ Non toxic
- ◆ Biodegradable
- ◆ Neutral pH
- ◆ Non corrosive
- ◆ Environment and user friendly

MSDS INFORMATION

Mining Enterprises Dustset 2020 Concentrate

Chemwatch: 5243-32

Relevant identified uses: Suppression of dust.

DUSTSET 2020 ECONOMICAL APPLICATION

Dosing systems are available to meter DUSTSET 2020 Concentrate to fine tune dose based on economics due to site situation factors such as volume and weight of traffic, road conditions, seasonal weather etc.

Truck metering device ensures accurate automatic dosing with adjustable ratios.



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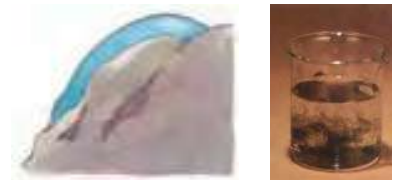


TECHNICAL INFORMATION

DUSTSET 2020 Concentrate is a highly effective wetting solution capable of reducing water surface tension by more than 80% at ratios of up to 1:4000



COMPARISONS WITH OTHER PRODUCTS WITH DUSTSET 2020



OTHER PRODUCTS

- ◆ High Surface Tension
- ◆ Water Beading
- ◆ Floating Particles

DUSTSET 2020

- ◆ Low Surface Tension
- ◆ Water Wrapping



COMPARISONS WITH WATER & WITH DUSTSET 2020



Water Test

10mm penetration, 5 minutes after application

Diluted 2020 Concentrate Test

20mm penetration, 5 minutes after application

When Dustset 2020 concentrate is applied consistently, firstly with loading dose and then maintenance dosing, improvement in not only dust control but also consolidation of the road surface will be shown with greater penetration the longer the continual use of product.

PACKAGING

DUSTSET 2020 Concentrate is available in the following packaging:



- ◆ 5L Bottle
- ◆ 15L Cube
- ◆ 200L Drum
- ◆ 1000L IBC (bulky)



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