



MATERIAL SAFETY DATA SHEET
WATER SOLUBLE CHEMICAL FERTILISERS

WATERTM SOLUBLE

Date of Issue: July 2015

PRODUCT AND COMPANY IDENTIFICATION

Name on the label: All solid Fertiliser mixtures and blends
a:b:c (total) = ratio N:P:K (total % N+P+K) where a,b,c =
0,1,2,3,4,5,6,7,8,9

Company Address: PO Box 81, Philadelphia , 7304, South Africa
Emergency Phone: Nearest local emergency service

COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Bulk - blend chemical fertiliser powders and / or (small) granules and / or crystalloid products. A mixture of nitrogenous (0 - 46% Nt), phospheric (0-22% P), potassium (0-50% K), material.

Appearance: White to grey granules or powder.

HAZARDS IDENTIFICATION

Dust may cause irritation to skin and eyes.
Ingestion of small quantities may cause gastrointestinal irritation.
Ingestion of large amounts may cause vomiting and collapse.
Inhalation of dust may cause a burning or stifling effect.

FIRST AID MEASURES

Specific Immediate Treatments

Inhalation: Remove patient from exposure.
Seek medical attention.

Skin Contact: Wash skin with water.
Seek medical attention if necessary.



Eye Contact: Immediately irrigate with clean water, holding the eyelids apart, for at least 20 minutes. Seek medical attention.

Ingestion: Do not induce vomiting.
Wash out mouth with water.
Give a cup of water to drink.
Seek medical attention.

Further Professional Medical Assistance:
Symptomatic treatment and supportive therapy is indicated.

FIRE FIGHTING MEASURES

FLASHPOINT: AUTOIGNITION:

Combustible
Intense heat will cause smoldering and fire.
Heating under confinement may cause an explosion.
Extinguishing Media: To be determined by surrounding materials.

Keep unnecessary people away; Isolate hazard area and deny entry.
Stay upwind.
Self - contained breathing apparatus (SCBA) and structural fire fighters protective clothing will provide limited protections.

ACCIDENTAL RELEASE MEASURES

Precautions: Avoid inhaling dust and eye irritations caused by dust

Clean up: Shovel into well labelled containers for disposal
Prevent material from contaminating water resources

HANDLING AND STORAGE

Handling: Avoid contact with eyes and inhalation of dust

Clean up: Store in a cool, dry, covered area

EXPOSURE CONTROL AND PERSONAL PROTECTION

No exposure limits established

If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment including overalls, imperious gloves and respiratory protection. Eye protection is recommended if dust levels are high.

Have appropriate equipment available for use in case of emergencies.



PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder and / or (small) pellet and / or crystalline material
Colour:	May vary from light to dark brown
Bulk Density:	0,6 - 1,5 kg/m ³ at 20°C (mostly 0,80 - 1.2)
Acidity:	Small amounts of free acid may be present in some materials. Others may be slightly alkaline if a small amount of ammonia may have been liberated.

STABILITY AND REACTIVITY

Stable under normal conditions.

Decomposition Products: On exposure to intense heat the material may yield ammonia, chlorine sublimated ammonium chloride fumes (smoke) and oxides of nitrogen.

Hazardous Reactions: Keep away from strong oxidisers and strong reducers that may cause nitration.

TOXICOLOGICAL INFORMATION

Inhalation:	Vapor/ dust may cause irritation to the respiratory tract.
Skin Contact:	May cause allergic reactions in some individuals
Eye Contact:	May cause irritation.
Ingestion:	May cause gastrointestinal disorders and large doses may cause nausea, diarrhea, vomiting, collapse. Nitrates cause dilation of blood vessels, methemoglobin formulation, low blood pressure and decreased blood oxygen carrying capacity.
Chronic Effects:	Those with history of cardiovascular disease may have aggravated reactions to overexposure.