


# Safety Data Sheet

Supa Stand Phos™ SDS revision 02 5<sup>th</sup> Jan 2022

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Supa Stand Phos™
<b>Other Names</b>	None
<b>Uses:</b>	Plant food, activator and catalyst for professional applicators
<b>Chemical family</b>	Plant / crop nutrition
<b>Product description</b>	Liquid fertiliser, for the correction and prevention of plant nutrient deficiencies
<b>Contact details of the supplier of this Safety Data Sheet</b>	
<b>Company Name</b>	Agrichem
<b>Company address</b>	2 Hovey Rd Yatala QLD 4207 Australia
<b>Phone number</b>	+ 61 7 3451 0000
<b>Emergency contact</b>	Poison Information Centre Australia – <b>13 11 26</b>

## 2. HAZARD IDENTIFICATION

<b>Poisons Schedule (Australian)</b>	Not listed in SUSMP
<b>Globally Harmonised System (GHS) Hazard classification</b>	This product is not classified as Hazardous under GHS / WHS
<b>Hazard Category</b>	Corrosive to metals category 1
<b>Pictograms</b>	
<b>Signal word</b>	Warning
<b>Hazard Statements</b>	H290 May be corrosive to metals
<b>Precautionary statements</b>	
<b>Prevention</b>	P234 Keep only in original packaging
<b>Response</b>	P390 Absorb spillage to prevent material-damage
<b>Storage</b>	P406 Store in corrosive resistant container with a resistant inner liner
<b>Disposal</b>	P501 Dispose contents / container in accordance with local / regional & national regulations
<b>National Transport Commission (Australian)</b>	
Australian Code for the transport of Dangerous Goods by Road and Rail (ADG Code)	
<b>Is Not a</b> Dangerous Goods according to the criteria of the ADG Code for road or rail transport ref ADG Code, ref to chapter 14 of this SDS.	

## 3. INFORMATION ON INGREDIENTS

Ingredient	CAS Registry number	Proportion %w/w
Diammonium phosphate	7783-28-0	<25
Phosphorous Acid	13598-36-2	<15
Zinc EDTA	15954-98-0	<10
Urea	57-13-6	<10
Seaweed extract	None assigned	<10
Water	7732-18-5	30-40 (to balance)

No other ingredients present which to the current knowledge of Agrichem & in the concentrations present are classified as hazardous and thereby require reporting in this chapter.

#### 4. FIRST AID MEASURES

##### Description of necessary measures according to routes of exposure

<b>Swallowed</b>	Rinse mouth with water. Drink plenty of water if possible. Do not induce vomiting unless told to do so by a doctor. Seek medical advice. Take this SDS with you to the medical examination.
<b>Eye</b>	Immediately wash in and around the eye area with plenty of water for 15 minutes. Eyelids to be held apart. Check for contact lenses, remove if easy to do. Seek medical advice if irritation persists.
<b>Inhalation</b>	Avoid breathing mist, spray or vapour. If inhaled, remove to fresh air. Should breathing become irregular or stops, apply artificial respiration. Consult a medical doctor.
<b>Skin</b>	Take off contaminated clothing. Rinse skin / hair immediately with plenty of soap and water for several minutes. Seek medical advice if irritation persists. Wash clothing prior to reuse.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of patient. If patient has inhaled decomposition products (fire) symptoms may be delayed. Exposed person to remain under medical observation for 48 hours.
<b>Medical Conditions Aggravated by Exposure</b>	No Data Available

Have the product container or label with you when calling the Poison Information Centre or a doctor or going for treatment.

#### 5. FIRE FIGHTING MEASURES

<b>General measures</b>	Clear area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
<b>Flammability conditions</b>	Non-flammable, colloidal liquid.
<b>Extinguishing Media</b>	Use any means suitable for extinguishing surrounding fire.
<b>Fire and Explosion Hazard</b>	Containers if heated, resultant increase in pressure may cause container to burst. Do not inhale fumes and or gases of combustion.
<b>Hazardous Products of Combustion</b>	Ammonia, oxides of phosphate, potassium
<b>Special Fire Fighting Instructions</b>	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<b>Personal Protective Equipment</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
<b>Flash point</b>	No data available
<b>Lower Explosion Limit</b>	No data available
<b>Upper Explosion Limit</b>	No data available
<b>Auto ignition Temperature</b>	No data available
<b>Hazchem Code</b>	No data available

#### 6. ACCIDENTAL RELEASE MEASURES


<b>General Response Procedures</b>	Avoid accidents, clean up immediately. Slippery when spilt. Increase ventilation. Avoid generating dust from dried product. Stop leak if safe to do so. Isolate the danger area.
<b>Clean up Procedures</b>	Land spill: Dike spill with absorbent or impervious materials such as earth, sand or clay. Vacuum, shovel, pump or sweep up the product and place in containers for disposal in accordance with applicable local regulations. Avoid

	contamination of water bodies during clean up and disposal. See containment section below.  Spillage into water. Where possible, remove any intact containers from the water. Advice to local water authority that none of the affected water should be used for irrigation or for the abstraction of potable water until natural dilution returns water to normal environmental background levels.
<b>Containment</b>	Stop Leak if safe to do so. Isolate the danger area. Dike and absorb spill using inert absorbent materials such as earth, sand, clay, zeolite, or diatomaceous earth.
<b>Environmental Precautionary Measures</b>	DO NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority and local Waste Management. The product is soluble in water (see section 12)
<b>Evacuation Criteria</b>	Evacuate all unnecessary personnel from immediate area
<b>Personnel Precautionary Measures</b>	Personnel involved in the clean-up should wear protective clothing as listed in section 8.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Prevent against physical damage. Wash hands after handling this material. Good housekeeping, splash and dust (when product dries) prevention procedures should be followed to minimize exposure and accumulation. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid contact with eyes, skin and clothing. Do not inhale product mist, spray or fumes
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed if not in use. Inspect regularly for hazards such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Do not store with food stuffs. Use good housekeeping practices to prevent accumulation of product and follow sound cleaning techniques that will prevent contamination. Dry indoor storage is recommended. Provide appropriate ventilation and store containers such as to prevent any accidental damage.
<b>Container / tankage</b>	Store in original packaging as approved by manufacturer

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No specific exposure standards have been established for this product by Safe Work Australia
<b>Exposure Limits</b>	No Data Available. However all atmospheric contamination should be kept to as low a level as is workable
<b>Biological limits</b>	No information on biological limit values available for this product.
<b>Engineering Measures</b>	A system of local and or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust extraction / ventilation is preferred as it controls emissions at the source preventing dispersion of the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
<b>Personal Protection Equipment PPE</b>	
	RESPIRATOR: Respirators should be used for conditions of use where exposure to spray or mist is apparent and engineering controls are not feasible.
	EYES: Use chemical safety goggles. Maintain eye wash fountain and quick drench facilities in work area (AS1336/1337). An emergency eyewash or water supply should be readily accessible to the work area.

	HANDS: Gloves, chemical resistant (AS2161).
	CLOTHING: Lab coat, apron or coveralls and safety footwear (AS3765/2210).
<b>Work Hygienic practices</b>	Thoroughly wash hands, forearms and face after using product, prior to eating, smoking using toilet or at end of work period. Contaminated clothing to be laundered prior to re-use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid
<b>Appearance</b>	Colloidal liquid
<b>Odour</b>	Slight, characteristic
<b>Colour</b>	Tan to black
<b>pH</b>	5.5 – 6.5
<b>Vapour pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling point</b>	>100 degrees Celsius
<b>Melting point</b>	No Data Available
<b>Freezing point</b>	No Data Available
<b>Solubility in water</b>	Largely soluble in water
<b>Specific gravity (kg/l)</b>	1.24 – 1.26
<b>Flash point</b>	>100 degrees Celsius (not flammable)
<b>Auto Ignition Temp</b>	>100 degrees Celsius (not flammable)
<b>Decomposition temp</b>	No Data Available
<b>Molecular weight</b>	No Data Available
<b>Particle size</b>	Colloids of various sizes, typically <2000µm
<b>Particle size distribution</b>	Colloids of various sizes, typically <2000µm
<b>Viscosity</b>	< 100 centipoise
<b>Note:</b> Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.	

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	This product is stable under normal handling and storage conditions.
<b>Chemical Stability</b>	Stable under ordinary conditions.
<b>Conditions to Avoid</b>	Excessive heat, do not store near heat or flames or temperatures below 5 deg C.
<b>Materials to Avoid</b>	<ol style="list-style-type: none"> <li>1. Strong bases – may release ammonia</li> <li>2. Strong oxidising agents – may decompose</li> <li>3. Metals – corrosive to most</li> </ol>
<b>Hazardous Products of Decomposition</b>	Irritating and or toxic fumes and gases may be emitted upon the products decomposition, Ammonia, oxides of phosphate and potassium may evolve
<b>Hazardous Polymerisation</b>	No Data Available

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	No deleterious effects expected if product is handled in accordance with this safety data sheet and product label. Health effects may arise if product is mishandled.
<b>Eye Irritant</b>	Direct contact with eyes may cause temporary irritation
<b>Ingestion</b>	Oral LD <sub>50</sub> by ATE 6315 mg/kg May cause diarrhoea, nausea, vomiting, cramps, weakness and tiredness
<b>Inhalation</b>	No Data Available
<b>Skin Irritant</b>	This product is not expected to cause skin sensitisation
<b>Reproduction</b>	No Data Available
<b>Carcinogen Category</b>	No Data Available
<b>Mutagenicity</b>	No Data Available
Toxicological information by ingredient, where available	
Di-ammonium phosphate	Oral LD <sub>50</sub> 6500 mg/kg in the Rat
Urea	Oral LD <sub>50</sub> 8471 mg/kg in the Rat

Potassium phosphite	>3500 mg/kg in the Rat
---------------------	------------------------

## 12. ECOLOGICAL INFORMATION

<b>General Ecotoxicity</b>	Adopt good working practices and procedures to restrict environmental release.
Algal toxicity	No Data Available
Invertebrate toxicity	No Data Available
Vertebrate toxicity	No Data Available
<b>Persistence/ Degradability</b>	Readily consumed in plants and bacteria to support growth
<b>Mobility</b>	Largely soluble in water
<b>Environmental Fate</b>	Do NOT let product reach waterways, drains and sewers
<b>Bioaccumulation</b>	Low, as all elements in product are essential to plant life and removed with crop
<b>Environmental impact</b>	No Data Available
Ecological information by ingredient, where available	
Di-ammonium phosphate	LC <sub>50</sub> 320 mg/l in the Coho salmon, 96 hours exposure
Urea	Toxicity threshold: Scenedesmus quadricauda (green algae) >10,000 mg/l, toxic effect: multiplication inhibition of cell
Potassium phosphite	LC <sub>50</sub> >118mg/l in the Rainbow trout 96 hours exposure

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
<b>Special Precautions for Landfill</b>	Small quantities of this product can usually be disposed of at Liquid Waste Disposal sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Larger volumes of this product are not recommended to be sent to Liquid Waste Disposal sites. Such product should, if possible, be used for an appropriate application.

## 14. TRANSPORTATION INFORMATION

### Land Transport, Australian Dangerous Goods Code (ADG Code) for transport by road and rail.

<b>DG classification</b>	<b>Not a</b> Dangerous goods as per ADG Code
<b>Proper Shipping Name</b>	No Data Available
<b>Class</b>	No Data Available
<b>EPG</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Packaging group</b>	No Data Available

### Regulation: IMDG

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not applicable
<b>Transport hazard class (es)</b>	Not applicable
<b>Packaging group</b>	Not applicable
<b>Environmental hazard</b>	No

<b>Marine pollutant</b>	No
<b>Air transport: International Air Transport Association (IATA)</b>	
<b>DG classification</b>	Not regulated
<b>Proper Shipping Name</b>	None allocated
<b>Class</b>	None allocated
<b>EPG</b>	None allocated
<b>UN Number</b>	None allocated
<b>Packaging group</b>	None allocated

#### 15. REGULATORY INFORMATION

<b>General information</b>	<b>Not a</b> Dangerous goods under ADG Code
<b>Poisons Schedule</b>	Not listed in SUSMP
<b>Hazardous Chemical Information system (HCIS)</b>	Not listed in HCIS

#### 16. OTHER INFORMATION

The information contained in this SDS is by way of general comment only. Because conditions of use, suitability of product and application conditions are beyond the control of Agrichem, this SDS does not offer any advice in respect to any product. The authors and Agrichem hereby disclaim any liability to any person, property, or thing in respect of any consequence of anything done or omitted to be done by any person in reliance, whether wholly or in part, upon whole or part of the contents of this SDS.

#### KEY

< Less than  
 > Greater than  
**a.i.** Active ingredient  
**ADG Code** Australian dangerous goods code  
**AICS** Australian Inventory of Chemical Substances  
**ATE** Acute toxicity estimation  
**atm** Atmosphere  
**CAS** Chemical Abstract Service (registry number)  
**Cm<sup>2</sup>** Square Centimetres  
**CO<sub>2</sub>** Carbon Dioxide  
**deg C (°C)** Degrees Celsius  
**EPA** Environmental Protection Agency based in each state of Australia  
**g** Grams  
**g/cm<sup>3</sup>** Grams per Cubic Centimetre  
**g/l** Grams per Litre  
**GRAS** Generally recognised as safe  
**HSIS** Hazardous substances information system  
**HSNO** Hazardous substances and New Organism

**HDPE** High density polypropylene  
**IDLH** Immediately Dangerous to Life and Health  
**Immiscible** Liquid are insoluble in each other  
**inHg** inch of Mercury  
**InH<sub>2</sub>O** Inch of Water  
**K** Kelvin  
**kg** Kilogram  
**kg/m<sup>3</sup>** Kilogram per Cubic Metre  
**LC<sub>50</sub>** LC stands for lethal concentration, LC<sub>50</sub> is the concentration of a product in air that will cause the death of 50% of a population of test animals. Product is normally inhaled for between 1 and more typically 4 hours  
**LD<sub>50</sub>** LD stands for lethal dose. LD<sub>50</sub> is the amount of product given in a single dose, causing death in 50% of a population of test animals.  
**LDLo** The lowest amount of a solid or liquid material reported to have caused the death of animals or humans  
**m<sup>3</sup>** Cubic Metre  
**mbar** Millibar

**mg** Milligram  
**mg/24H** Milligrams per 24 hours  
**mg/kg** Milligrams per Kilogram  
**mg/m<sup>3</sup>** Milligrams per Cubic Metre  
**Misc** or **Miscible** Liquids from one homogeneous liquid phase regardless of the amount of either component present  
**mm** Millimetre  
**mmH<sub>2</sub>O** Millimetres of Water  
**mPa.s** Millipascals per Second  
**MSHA** Mine safety and health administration  
**N/A** Not Applicable  
**NIOSH** National Institute for Occupational Safety and Health  
**NOHSC** National Occupational Health and Safety Commission  
**OECD** Office for Economic Co-operation and Development

**End of SDS**

**PEL** Permissible Exposure Limit  
**Pa** Pascal  
**ppb** Parts per Billion  
**PPE** personal protective equipment  
**ppm** Parts per Million  
**ppm/2h** Parts per million per 2 hours  
**ppm/6h** Parts per million per 6 hours  
**psi** Pounds per square inch  
**R** Rankine  
**RCP** Reciprocal Calculation Procedure  
**SCBA** Self Contained Breathing Apparatus  
**SWA** Safe Work Australia  
**STEL** Short Term Exposure Limit  
**SUSMP** Standard for the uniform scheduling of medicines and poisons  
**TVL** Threshold Limit Value  
**TWA** Time Weighted Average  
**UN** United Nations  
**wt** Weight