



SAFETY DATA SHEET

FLORICA® 21-21-21+TE

Issue Date : 2nd Jan 2023

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Company Name and address :	G-Planter Sdn Bhd (200401005370) No. 11A, Jalan Mahsuri, Kawasan Perindustrian Kluang 1, 86000, Kluang, Johor.	Product Name: Florica® 21-21-21+TE Use of the substance /preparation Expressed in writing : Fertilizer
Telephone No. :	+ 6 07-7878488	
Fax No. :	+ 6 07-7878480	

SECTION 2 - HAZARD IDENTIFICATION

Can support combustion in the absence of air.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous component: None

Further information

Fertilizer prepared from raw materials which include some or all of the following ingredients potassium, nitrates, phosphates, sulphates, secondary nutrients, micro nutrients.

SECTION 4 - FIRST AID MEASURES

Additional Advice:

Inhalation :	Move to fresh air. Keep warm and in a quiet place. If symptoms call a physician.
Skin contact :	Wash the affected area with soap and water. Remove contaminated clothes.
Eye contact :	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention if eye irritation persists.
Ingestion :	Do not induce vomiting. Give water or milk to drink. Obtain medical attention if symptoms occur.

SECTION 5 - FIRE FIGHTING MEASURE

Suitable Extinguishing media :	Water.
Unsuitable extinguishing media :	Foam, sand, powder.



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Special exposure hazards in a fire:	Heating over decomposition temperature may release toxic gases. (NO _x NH ₃)
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and splash protective suit.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions :	Keep people away from and upwind of spill/leak.
Environmental precautions :	Prevent from entering into the environment or drains. Inform the appropriate authority in case of accidental contamination of watercourses.
Clean-up methods :	Any spillage should be cleaned up promptly, swept up and placed in a clean labelled container for safe disposal. Do not allow it to mix with sawdust and other combustible or organic substances.

SECTION 7 - HANDLING AND STORAGE

Handling:	Avoid excessive generation of dust. Avoid unnecessary exposure to the atmosphere to prevent moisture pick-up. Wear gloves and protective equipment/clothes. Do not smoke. Heating in tubes or drain may lead to a violent reaction.
Storage:	Locate away from sources of heat or fire. Keep away from combustible and incompatible materials. On farm, ensure that the products not stored near hay, straw, grain, diesel oil etc. Ensure a high standard of housekeeping in the storage area. Whenever possible avoid storing in direct sunlight. Keep out of reach of children.



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SECTION 8 - EXPOSURE CONTROL/ PERSONAL PROTECTION

Exposure limit values:	No specific exposure limit. Limit for inorganic dust 8 hours is 10mg/m ³ HTP (Finland)
Exposure controls	
Occupational exposure controls:	Avoid contact with skin and eyes. Wash hands before breaks and after handling the product.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment (filter P2)
Hand protection:	Protective gloves
Eye protection:	Goggles
Skin and body protection:	Protective suit

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Crystals, granules
Colour:	White, grey or colourless
Odour :	Odourless
pH:	> 4.5 water solution (10%)
Boiling point :	Decomposes
Flash point :	Not applicable
Flammability (solid, gas) :	Not applicable
Explosive properties	
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Oxidizing properties:	Can support combustion
Vapors pressure	
Relative density:	Approximately 1050-1100 kg/m ³
Solubility	
Water solubility:	Soluble
Fat solubility:	No data available
Partition coefficient (n-octanol/water):	No data available
Viscosity:	No data available
Vapors density:	No data available
Evaporation rate:	No data available
Further information:	Hygroscopic: readily picks up moisture from the air Melting point: >110°C. May decompose before melting



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SECTION 10 - STABILITY AND REACTIVITY

Conditions to avoid:	High temperatures. Unnecessary exposure to the atmosphere.
Materials to avoid:	Combustible materials, reducing agents, acids, bases, metallic powders.
Hazardous decomposition products:	When strongly heated it melts and decomposes releasing toxic fumes. When in contact with alkaline materials such as lime it may give off ammonia gas.

SECTION 11 - TOXICOLOGY INFORMATION

Acute toxicity :	Potassium Nitrate : LD ₅₀ /oral/rat=3759 mg/kg Ammonium nitrate : LD ₅₀ /oral/rat=2217 mg/kg
Irritation/ corrosion :	No data available.
Sensitization :	No data available.
Subacute, subchronica and prolonged toxicity:	No data available.
Human Experience :	May cause skin, eye irritation. If swallowed may cause gastrointestinal disturbance.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic toxicity:	Potassium nitrate : EC ₅₀ /48 h/Daphnia = 1378 mg/kg
Mobility:	Soluble in water. May cause eutrophication.
Persistence/Degradability	
Biological degradability:	Decomposable
Bioaccumulative potential:	Does no accumulate

SECTION 13 - DISPOSAL CONSIDERATIONS

Depending on the degree and nature of the contamination use as a fertilizer on farm or return to manufacturer. Dispose or recycle the empty containers in compliance with local and national regulations.



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SECTION 14 - TRANSPORT INFORMATION

UN NO	Not classified.
Land transport ADR/RID	Not classified.
Sea transport IMDG	Not classified.
Air transport ICAO/IATA	Contact manufacturer

SECTION 15 - REGULATORY INFORMATION

The product is labelled in accordance EU directives.
 Information on the warning label.
 Letter code of the warning symbol and indications of danger for the preparation-
 Names of the ingredients given on the warning label : Fertilizer
 R-phrase(s)-
 S-phrase(s)-

SECTION 16 - OTHER INFORMATION

Further Information: The information provided in this Safety Data Sheets is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. **G-Planter Sdn Bhd** disclaims any liability for loss or damage resulting from the use of these data, information or suggestions.

Literary reference: Regulations, database, literature, own tests,

-End of SDS-