

# SAFETY DATA SHEET



**kannar**  
EARTH SCIENCE

## Section 1. Identification

**Product code** : TBD  
**GHS product identifier** : Koasis™ IFD 354 v1.0

### Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

Agricultural inputs.

**Manufacturer / Distributor** : Kannar Earth Science, Ltd.  
2420 Tech Center Parkway  
Building 100  
Lawrenceville, GA 30043  
**Emergency telephone number** : +1 (800) 424-9300 (U.S.) (24 hours)  
(with hours of operation) : +1 (703) 527-3887 (International) (24 hours)  
**Other information** : +1 678 475 1155

## Section 2. Hazards identification

**OSHA/HCS status** : This product is not considered hazardous according to the OSHA Hazard Communication Standard 29CFR1910.1200. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Combustible Dust.

#### GHS label elements

**Signal word** : Not applicable.

**Hazard statements** : Not applicable

#### Precautionary statements

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Store in a well-ventilated place. Keep container tightly closed.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Chemical nature** : Organic

#### CAS number/other identifiers

Component	CAS No	Weight %

There are no other ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## **Section 4. First aid measures**

### **Description of necessary first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water at least 15 minutes. Protect unharmed eye. Check for and remove any contact lenses. Get medical attention if symptoms occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : First aid normally not required. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
- Ingestion** : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

### **Most important symptoms/effects, acute and delayed**

#### **Potential acute health effects**

- Eye contact** : May cause irritation.
- Inhalation** : May cause slight irritation.
- Skin contact** : May cause slight irritation.
- Ingestion** : Irritation.

### **Indication of immediate medical attention and special treatment needed, if necessary**

- Notes to physician** : Treat symptomatically
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## **Section 5. Fire-fighting measures**

### **Extinguishing media**

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, water spray (fog) or foam.

**Unsuitable extinguishing media:** Do not use water jet.

**Specific hazards arising from the chemical:** Not applicable

**Hazardous thermal decomposition products:** Decomposition products may include organic materials.

**Special protective actions for fire-fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **Section 6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid dust formation. Avoid breathing dust. Do not touch or walk-through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel."
- Environmental precautions** : Avoid dispersal of spilled material and contact with waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, or air).

### **Methods and materials for containment and cleaning up**

- Small spill** : Stop leak if without risk. Move containers from spill area. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## **Section 7. Handling and storage**

### **Precautions for safe handling**

- Protective measures** : Avoid dust formation. Put on appropriate personal protective equipment (see Section 8). Ensure all equipment is electrically grounded and bonded before beginning transfer operations. Ensure adequate ventilation especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment.

## **Section 8. Exposure controls/personal protection**

## Control parameters

### Occupational exposure limits Table.

Components with workplace control parameters

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#### **Appropriate engineering controls**

: Provide appropriate exhaust ventilation. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Environmental exposure controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

##### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side- shields.

##### Skin protection

##### **Hand protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

##### **Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### **Other skin protection**

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### **Respiratory protection**

: No personal respiratory protective equipment normally required.

## **Section 9. Physical and chemical properties**

### Appearance

#### **Physical state**

: Granular product

<b>Color</b>	: See Product Description
<b>Odor</b>	: Odorless to sweet.
<b>Odor threshold</b>	: Not applicable.
<b>pH</b>	: Not applicable.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available
<b>Flash point</b>	: Not available
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available.
<b>Upper explosive limits</b>	: Not tested
<b>Lower explosive limits</b>	: Not tested
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available
<b>Density</b>	: 0.3-0.7 g/cm <sup>3</sup>
<b>Solubility</b>	: Not applicable.
<b>Partition coefficient: n- octanol/water</b>	: Not applicable.
<b>Auto-ignition temperature</b>	: Not applicable.
<b>Decomposition temperature</b>	: Not applicable.
<b>Viscosity</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No decomposition if stored and applied as directed.
<b>Chemical stability</b>	: Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	: Not applicable.
<b>Conditions to avoid</b>	: Incompatible materials. Exposure to moisture
<b>Incompatible materials</b>	: Not applicable
<b>Hazardous decomposition products</b>	: No hazardous decomposition products are known.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

**Conclusion/Summary** : Not classified based on available information.

Component	LD 50 Oral	LD 50 Dermal	LC 50 Inhalation

**Toxicologically Synergistic Products** No information available

### Irritation/Corrosion

#### Conclusion/Summary

<b>Skin</b>	: May cause slight skin irritation.
<b>Eyes</b>	: May cause slight eye irritation.
<b>Respiratory</b>	: May cause respiratory tract irritation.

### Sensitization

#### Conclusion/Summary

<b>Skin</b>	: No known significant effects or critical hazards.
<b>Respiratory</b>	: No known significant effects or critical hazards.

### Mutagenicity

**Conclusion/Summary** : No known significant effects or critical hazards.

## **Carcinogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

Component	IARC	NTP	ACGIH	OSHA

## **Reproductive toxicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

## **Teratogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

## **Specific target organ toxicity (single exposure)**

Not available.

## **Specific target organ toxicity (repeated exposure)**

Not available.

## **Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Not available.

## **Potential acute health effects**

**Eye contact** : May cause eye irritation.

**Inhalation** : May cause respiratory tract irritation.

**Skin contact** : May cause skin irritation.

**Ingestion** : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

## **Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

## **Delayed and immediate effects and also chronic effects from short- and long-term exposure**

### **Short term exposure**

Potential immediate effects : Not available.

Potential delayed effects : Not available.

### **Long term exposure**

Potential immediate effects : Not available.

Potential delayed effects : Not available.

## **Potential chronic health effects**

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## **Numerical measures of toxicity**

**Acute toxicity estimates** : Not available.

## **Section 12. Ecological information**

### **Toxicity**

Not classified based on available information.

Ecotoxicology assessment

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea

#### **Persistence and degradability**

Not readily biodegradable.

#### **Bioaccumulative potential**

Not available.

#### **Mobility in soil**

Not available.

#### **Soil/water partition coefficient (KOC)**

Not available.

#### **Other adverse effects**

No known significant effects or critical hazards.

### **Section 13. Disposal considerations**

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### **Section 14. Transport information**

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number					
UN proper shipping name					
Transport hazard class(es)	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

#### **Special precautions for user**

: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



## Section 15. Regulatory information

### SARA 311/312 Hazards

Combustible dust

### SARA 302

This material does not contain any components with a section 302 EHS TPQ.

### SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### International regulations

#### Canada inventory

: All components are listed or exempted.

#### Australia inventory (AICS)

: All components are listed or exempted.

#### China inventory (IECSC)

: All components are listed or exempted. Japan inventory (ENCS): All components are listed or exempted.

#### Korea inventory

: All components are listed or exempted.

**New Zealand Inventory of Chemicals (NZIoC)** : All components are listed or exempted.

**Philippine's inventory (PICCS)** : At least one component is not listed.

**Taiwan Chemical Substances Inventory (TCSI)** : All components are listed or exempted.

#### Turkey inventory

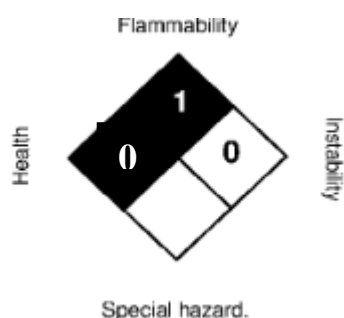
: Not determined.

#### Europe Inventory

: Please contact your supplier to get the information.

## Section 16. Other information

### National Fire Protection Association (U.S.A.)



O = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, • = Chronic.

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would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

## **History**

**Date of issue/Date of revision** : 05/11/2022

**Version** : 1.0

## **Key to abbreviations:**

ACGIH = American Conference of Governmental Industrial Hygienists.

ATE = Acute Toxicity Estimate

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IARC = International Agency for Research on Cancer

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration.

UN = United Nations

**References** : Not available.

Indicates information that has changed from previously issued version.

## **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**