



Safety Data Sheet

Compliant with Regulations (EC) No. 1907/2006, (EC) No 1272/2008 (CLP)

Version 1.14

Revision Date 30th May 2015

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade names : Screen™ Duo
Product Identifier : Naturally Occurring Kaolinitic clay
Synonyms : Hydrous Kaolin, China Clay, Hydrous Aluminum Silicate
Product Use : Crop Protection - Agriculture.

Company : Crop Microclimate Management Inc.
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2. HAZARDS IDENTIFICATION

Substance classification: Non-Hazardous, no labeling required*

Signal Word/Pictogram: NONE (non – hazardous)

Hazardous classification

This product does not meet the criteria for classification as hazardous as defined in Regulation EC 1272/2008.

This product could contain trace levels of crystalline silica at below levels of 0.1%. Care is recommended when handling to avoid dust generation.

General Advice – In case of doubt or when symptoms persist, seek medical attention.

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Risk Advice to man and environment

Prolonged exposure may dry skin.

In case of eye contact hold eyelids apart and flush with steady gentle stream of water for several minutes.

If spilled avoid water contamination.

Avoid breathing dust, wear approved protection if exposure is greater than published exposure limits (see Section 8).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Non-Hazardous Substance

Chemical Name	CAS No.	EC-No.	Classification	Concentration (%)
Kaolinitic Clay*	1332-58-7	310-127-6	Non-hazardous	96-99%

Kaolin is a naturally occurring material and is exempted from REACH registration under Annex V.

4. FIRST AID MEASURES

General Advice: In case of doubt or when symptoms persist, seek medical attention.

Inhalation: If exposed to excessive dust movement of the exposed individual to fresh air is recommended. If symptoms persist seek medical advice.

Eye Contact: Rinse with copious amounts of water and seek medical attention if irritation persists.

Skin Contact: May cause minor irritation or drying of skin if handled without gloves. Wash thoroughly after handling. If irritation persists seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: All extinguishing media can be used. Use suitable media appropriate for the surrounding fire. Specific Hazards arising from the mixture: Non-combustible. No hazardous thermal decomposition. Do not allow run-off from firefighting to enter drains or waterways.

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Specific Protective Fire Fighting Equipment: No specific Fire Fighting Protection is required beyond what would be required for the surrounding fire.

General Advice: Product can create a slip hazard when exposed to water. Use caution around broken bags when these areas have been exposed to water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid dust formation. In case of insufficient ventilation or exposure to high levels of dust wear suitable respiratory equipment in compliance with national legislation.

Environmental Precautions: Keep product from entering drains and waterways.

Methods and Materials for containment and cleaning up spills: Collect mechanically or by flushing with water and collecting material. Avoid dry sweeping. Use water spray or ventilated vacuum system to prevent dust formation.

Refer to sections 8 and 13 for additional information.

7. HANDLING and STORAGE

Precautions for Safe Handling: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation wear suitable respiratory protective equipment. Handle packages carefully to prevent accidental bursting. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area.

Storage: Store in a dry area. Keep containers closed and protect from physical damage.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Follow workplace regulatory exposure limits for all types of airborne dust. Please check your local regulations for specific limits in your areas.

Components	OSHA-TWA	ACGIH TLV TWA
Kaolin	10 mg/m ³	--
Respirable dust	5 mg/m ³	2 mg/m ³
Total dust	15 mg/m ³	10 mg/m ³

TWA: Time Weighted Average

Engineering Controls: Use mechanical ventilation (dilution and local exhaust) to control exposure to dust. Ensure that eyewash stations are close to the workstation location.

Recommended Personal Protective Equipment:

Eye Protection: Safety Glasses with Side Shields Hand

Protection: Work Gloves Recommended

Respiratory Protection: In case of exposure to high levels of airborne dust, wear a respirator in compliance with local legislation.

Skin and Body Protection: Use suitable protective clothing, gloves and footwear, selected with regard to use conditions and exposure potential.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure: Keep product from entering drains and waterways. Avoid wind dispersal.

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9. PHYSICAL AND CHEMICAL PROPERTIES Appearance:

White powder

Odor: Odorless

Odor Threshold: Not Relevant

pH: 5.0-9.0, 20% water suspension

Relative Density: 2.6 g/cm³

Solubility: Insoluble in water/Soluble in strong acid

Vapor Density: No Vapor

Melting Point: > 1700C

Flash Point: Not Flammable

Dust is not explosive (see section 10)

10. STABILITY AND REACTIVITY

Reactivity: Inert, not reactive

Chemical Stability: Chemically stable, no particular incompatibility

Possible Hazardous Reactions: No hazardous reactions

Conditions to avoid: None

Material Incompatible: No particular incompatibility

Hazardous decomposition products: Does not decompose.

*Dust is not explosive. However when used around explosive materials bags should be grounded to prevent any static discharge.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

- (a) Acute toxicity: Based on available data the classification criteria are not met.
- (b) Skin Corrosion/irritant: Based on available data the classification criteria are not met.
- (c) Serious eye damage/irritation: Based on available data the classification criteria are not met.

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- (d) Respiratory or skin sensitization: Based on available data the classification criteria are not met.
- (e) Germ cell mutagenicity: Based on available data the classification criteria are not met.
- (f) Carcinogenicity: Based on available data the classification criteria are not met.
- (g) Reproductive toxicity: Based on available data the classification criteria are not met.
- (h) STOT – single exposure: Based on available data the classification criteria are not met.
- (i) STOT – repeated exposure: Based on available data the classification data are not met.
- (j) Aspiration hazard: Based on available data the classification data are not met.

12. ECOLOGICAL INFORMATION

EcoToxicity: No information available/Not relevant. Naturally occurring mineral that is Generally Regarded as Safe (GRAS).

13. DISPOSAL CONDITIONS

Product: The product should not be allowed to enter drains or waterways. Where possible product should be recycled. Can be disposed of in compliance with local regulations.

This material is not classified as hazardous waste according to Commission Decisions 2000/532/EC and 2001/118/EC

Packaging: Recycling and disposal of packaging should be carried out in compliance with local regulations.

14. TRANSPORT INFORMATION

UN Number or DOT Number: This material is not hazardous as defined under national, international road, rail, sea and air transport regulations.

UN Proper Shipping Name: Does not apply

Transportation hazard class:

ADR: Not Regulated

IMDG: Not Regulated

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ICAO/IATA: Not Regulated RID:
Not Regulated
DOT: Not Regulated

Environmental Hazards: not relevant
Special Precautions for User: No special precautions

15. REGULATORY INFORMATION

Substance is non-hazardous and does not require a hazard label in accordance with EC Directive 1272/2008.

FDA: Kaolin is classified as GRAS (Generally Regarded as Safe) and is approved for use under 21 CFR 73, 82, 175, 176, 177, 178, 310, 335, 346, 347, and 872.

Europe: These products meet the standards required for use under BFR XXXVI, XXXVI/2, LII and meet the standards for use under 2009/48/EC.

China: This product is approved for use under GB 9685-2008.

Kaolin (CAS 1332-58-7) is listed on or in compliance with the following inventories.

Europe EINECS	Korea KECI Philippines
USA TSCA	PICCS Japan (ENCS)
Canada DSL	New Zealand (NZIoC)
China IECSC	Korea (ECL)
Australia AICS	

Sara 302: This product does not contain any extremely hazardous substances subject to reporting requirements under 40 CFR Part 355.

Sara 311/312 Hazard: This product is made from kaolin listed in Table Z-1 of 29 CFR 1910.1000 "Air contaminants" and is subject to reporting requirements of 40 CFR Part 370 with a threshold quantity of 10,000 lbs..

SARA 313 Substances: This product does not contain any substances subject to reporting requirements under 40 CFR Part 372.

TSCA: This product is not subject to any export notification requirements.

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16. OTHER INFORMATION

NFPA: Health 0 Flammability: 0 Reactivity: 0
HMIS: Health 0 Flammability: 0 Physical Hazard: 0

Personal Protection: E, Use of safety glasses and appropriate respiratory protection for dusty condition is recommended.

Third Party Materials: Insofar as materials not manufactured or supplied by Crop Microclimate Management Inc. are used in conjunction with or instead of Crop Microclimate Management's materials it is the responsibility of the customer to obtain from the manufacturer or supplier all technical data and other properties relating to them. No liability can be accepted with respect to the use of the products described in this SDS in conjunction with materials from another supplier.

The material outlined in this SDS is not for use in food, feed or similar applications.

The information provided in this Safety Data Sheet is correct to the best of our knowledge and believed to be accurate and reliable as of the date of its publication. However, no representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Training: Workers must be informed of the possible presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

Reviewed and Updated 30th May 2015. Duplicate products removed and new product added. No changes in safety or regulatory status of kaolin products. Revised 24 November 2014. New Product added. No changes in safety or regulatory status of kaolin products. Revised on 20 November for GHS compliance and additional information provided under section 15. There have not been any changes to the safety or regulatory status of kaolin products.