



Dry Flo TS

Safety Data Sheet

SECTION 1: Identification of the Substance/mixture and of the Company/undertaking

- 1.1 Product name:** Dry Flo TS
Product code: 502-712X
- 1.2 Intended use:** Compound used in customer substance/mixture/product
- 1.3 Supplier:**
Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, 84321 - United States of America
T 435.755.0863 - F 435.755.2108
www.TheSage.com
- 1.4 Emergency telephone number**
No additional information available

SECTION 2: Hazards Identification

2.1 Emergency Overview

Appearance: powder
Color: off-white
Odor: characteristic
Hazard Summary: Risk of dust explosion.

2.2 GHS Classification

Not a hazardous substance or mixture

2.3 Label Element

Not a hazardous substance or mixture

2.3 Potential Health Effects

Inhalation: Product dust may be irritating to respiratory system.
Skin: Product dust may be irritating to skin.

Eyes: Product dust may be irritating to eyes.

Ingestion: Not expected to be irritating.

Aggravated Medical Condition: None known.

Symptoms of Overexposure: No information available.

2.4 Carcinogenicity

IARC No ingredient of this product is present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3: Composition/information on Ingredients

3.1 Hazardous Ingredients

Chemical Name	CAS-No.	Classification	Concentration (%)
Starch	9005-25-8		70-90

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Advice: No hazards which require special first aid measures.

Inhalation: Remove to fresh air. Keep patient warm and at rest. Rinse nose and mouth with water.

Skin Contact: Remove contaminate clothing and shoes. Rinse with water.

Eye Contact: Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

Ingestion: Clean mouth with water and afterwards, drink plenty of water. Never give anything by mouth to an unconscious person.

4.2 Notes to Physician

Symptoms: No information available.

Risks: No information available.

Treatment: No information available.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No information available.

5.2 Special Hazards Arising from the Substance or Mixture

Treat as oil fire. Risk of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Combustible Products: No hazardous combustion products are known

5.3 Special protective equipment and precautions for firefighters

In the event of a fire, wear self contained breathing apparatus.

5.4 Further Information

Standard procedure for chemical fires.

See also Section 9. Physical and chemical properties: Safety Data.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

Avoid dust formation.

6.2 Environmental Precautions

No special environmental precautions required.

6.3 Method and Material for Containment and Clean-up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Additional Advice

For personal protection see Section 8.

SECTION 7: Handling and Storage

7.1 Handling

Advice of safe handling:

For personal protection see Section 8. Avoid creating dust. Keep away from heat/sparks/open flames/hot surfaces. No smoking. No special handling advice required.

Advice on protection against fire and explosion:

Provide appropriate exhaust ventilation at places where dust is formed. No sparking tools should be used.

7.2 Storage

Requirements for storage areas and containers:

Store in original container. Keep in a dry place. Store between 40-77°F (5-25°C) Keep container tightly closed.

Advice on common storage:

No special restrictions on storage with other products.

Other data:

No decomposition if stored and applied as directed.

SECTION 8: Exposure Controls/personal Protection

8.1 Exposure Guidelines

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value	Control parameters	Update	Basis	Form of exposure
Starch	9005-25-8	TWA	10 mg/m ³	2007-01-01	ACGIH	
Further Information: Dermatitis A4: Not classifiable as a human carcinogen.						
		TWA	5 mg/m ³	2013-10-08	NIOSH REL	Respirable
		TWA	10 mg/m ³	2013-10-08	NIOSH REL	Total
		TWA	15 mg/m ³	2007-01-01	OSHA Z-1	Total dust
		TWA	5 mg/m ³	2007-01-01	OSHA Z-1	Respirable fraction
		TWA	15 mg/m ³	1989-01-19	OSHA P0	Total dust
		TWA	5 mg/m ³	1989-01-19	OSHA P0	respirable dust fraction

STEL: Short term exposure limit
TWA: Time weighted average

8.2 Engineering Measures

Provide appropriate exhaust ventilation at places where dust is formed.

8.2 Personal Protective Equipment

Eye/face Protection:

Safety glasses

Hand Protection:

Glove material: For prolonged or repeated contact use protective gloves. Protective gloves complying with EN 374.

Respiratory Protection: No personal respiratory protective equipment normally required. In the case of dust, vapor or aerosol formulation use respirator with an approved filter. Half mask with a particle filter P2 (EN143)

Hygiene Measures: General industrial hygiene practice.

8.3 Environmental Exposure Controls

No special environmental precautions required.

SECTION 9: Physical and Chemical Properties

9.1 Appearance

Form: powder
Color: off-white
Odor: characteristic
Odor Threshold: No data available

9.2 Safety Data

pH: 3.5 - 6 at 20% solution
Melting point/range: No data available
Boiling point/range: Not applicable
Flash point: Not applicable
Evaporation Rate: Not applicable
Flammability
(Solid, gas): Not applicable
Lower explosion limit: No data available
Upper explosion limit: No data available
Vapor pressure: Not applicable
Relative vapor density: Not applicable
Relative density: No data available
Water solubility: slightly soluble
Solubility in other solvents: No data available
Partition coefficient
n-octanol/water: No data available
Autoignition temperature: No data available
Decomposition
temperature: No data available.
Viscosity, kinematic: Not applicable
Explosive properties: Not explosive
Oxidizing properties: The substance/mixture is not classified as oxidizing.

This material safety data sheet only contains information relating to safety and does not replace any product information or product specification.

SECTION 10: Stability and Reactivity

10.1 Conditions or Materials to Avoid

None known.

10.2 Hazardous Decomposition products

No hazardous decomposition products are known.

Thermal decomposition: No data available

10.3 Reactivity

Stable under normal conditions

10.4 Chemical Stability

Stable under recommended storage conditions.

10.5 Hazardous Reactions

Dust may form explosive mixture in air.

SECTION 11: Toxicological Information

11.1 Product Information

Toxicology Assessment: No further data available

Test Result:

Acute oral toxicity: LD50: Species: Rat
No data available

Skin irritation: Result: No skin irritation
Method: EPISKIN Human Skin Model Test

Eye irritation: Result: No eye Irritation

11.2 Carcinogenicity

IARC No ingredient of this product is present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

11.3 Toxicology Data for the Ingredients

Component: Starch

Acute oral toxicity: LD50: > 5,000 mg/kg
Species: Rat
Literature data.

SECTION 12: Ecological Information

PRODUCT INFORMATION:

12.1 Ecotoxicology Assessment

Additional ecological information: None known.

Test Result

Ecotoxicity effects

Toxicity to daphnia and other aquatic invertebrates:

ED:50 > 100mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Toxicity to algae:

EC50: >100 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (Green algae)
Method: OECD Test Guideline 201

12.2 Persistence and Degradability

Bioaccumulation: No data available
Mobility: No data available
Biodegradability: Result: Readily Biodegradable
Method: OECD Test Guideline 301B

12.3 Further Information on Ecology

Biochemical Oxygen Demand (BOD): No data available

12.4 Hazardous to the Ozone Layer

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

INGREDIENT INFORMATION:

Component: Starch

12.5 Ecotoxicity Effects

Toxicity to fish: LC50: Exposure time: 96h
Species: Fish
No data available

12.6 Persistence and Degradability

Bioaccumulation: Bio accumulation is unlikely
Mobility: No data available
Biodegradability: No data available

12.7 Further Information on Ecology

Biochemical Oxygen Demand (BOD): No data available

SECTION 13: Disposal Considerations
--

13.1 Waste Disposal

Product Disposal Instructions: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Contaminated Packaging Disposal Instructions: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 International Regulation

ADR:	Not regulated as dangerous goods.
UNRTDG:	Not regulated as dangerous goods.
IATA-DGR:	Not regulated as dangerous goods.
IMDG-Code:	Not regulated as dangerous goods.

14.2 Transporting in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

14.3 Further Information for Transport

Not classified as dangerous in the meaning of transport regulations

14.4 Domestic Regulation

49 CFR:	Not regulated as dangerous goods.
TDG:	Not regulated as dangerous goods.
NOM-002-SCT:	Not regulated as dangerous goods.

SECTION 15: Regulatory information

15.1 Notification Status

CH INV:	NO. Not in compliance with the inventory
TSCA:	YES> All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA inventory exemption.
DSL:	YES. All components of this product are on the Canadian DSL.
AICS:	YES. On the inventory, or in compliance with the inventory.
NZIoC:	YES. On the inventory, or in compliance with the inventory.
ENCS:	YES. On the inventory, or in compliance with the inventory.
ISHL:	YES. On the inventory, or in compliance with the inventory.
KECI:	YES. On the inventory, or in compliance with the inventory.
PICCS:	YES. On the inventory, or in compliance with the inventory.
IECSC:	YES. On the inventory, or in compliance with the inventory.

For explanations of abbreviations, see Section 16.

TSCA list: Not relevant
OSHA Hazards: Combustible dust

EPCRA - Emergency Planning and Community Right-to-Know
No information available`

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA311/312 Hazards: No SARA Hazards

SARA 302: No chemicals in this material are subjects to the reporting requirements of SARA Title III, Section 302.

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.

Clean Air Act: This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112® for Accidental release prevention 94 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489)

Clean Water Act: This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemical listed under the U.S. Clean Water Act, Section 311, Table 117.3
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

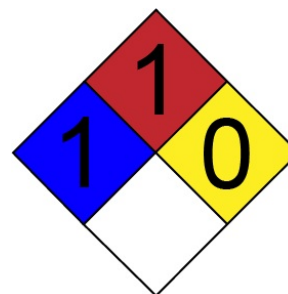
California Prop. 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, of any other reproductive defects.

SECTION 16: Other information

16.1 Further Information

HMIS Classification: Health Hazard: 1
Flammability: 1
Physical Hazards: 0

NFPA Classification: Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0



16.2 Notification Status Explanation

REACH	1907/2006 (EU)
CH INV	Switzerland. New notified substances and declared preparations
TSCA	United States TSCA Inventory
DSL	Canadian Domestic Substances List (DSL)
AICS	Australia Inventory of Chemical Substances (AICS)
NZIoC	New Zealand. Inventory of Chemical Substances
ENCS	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	Japan. ISHL - Inventory of Chemical Substances
KECI	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS	Phillipines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of existing Chemical Substances in China (IECSC)

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.