



SAFETY DATA SHEET ACCORDING TO OSHA-GHS (29 CFR PART 1910.1200 HCS 2012)

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Nature's Creation® PREVENT Corn Gluten Spreadable 9-0-0

Recommended Uses: Fertilization of lawn and garden plants

Restrictions On Uses: None

Distributor: Nature's Creation®

P.O. Box 700932

San Antonio, Texas 78270

Company Telephone: (210) 822-3141 **Company FAX:** (210) 832-9130

Emergency Telephone Number: (210) 822-3141

Section 2. HAZARDS IDENTIFICATION

Classification of the mixture:

Classification of the chemical in accordance with 29CFR §1910.1200

Not classified as hazardous.

Label elements:

Hazard Pictograms: None applicable

Signal Word: None applicable

Hazard Statements: None applicable

Precautionary Statements: None applicable

Other Hazards: None

Classification of the relevant ingredients of the mixture in accordance with 29CFR §1910.1200

Does not contain any hazardous ingredient

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a mixture/preparation

Substance Name

CAS No.

EC No.

No substance meeting the classification criteria for health is present over its cut-off value in accordance with OSHA, 29CFR§1910.1200/2012.

Contains Some or All of the Following: Corn gluten

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Section 4. FIRST AID MEASURES

Description of first aid measures

General information

In case of persisting adverse effects consult a physician.

Never give anything by mouth to an unconscious person or a person with cramps.

In case of inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention for any breathing difficulty.

In case of skin contact

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

In case of ingestion

Rinse mouth and drink plenty of water. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

The following symptoms may occur:

In case of inhalation Irritation to respiratory tract

In case of skin contact May cause redness or irritation

In case of eye contact May cause redness or irritation

In case of ingestion Ingestion of large amounts may cause: gastrointestinal disturbances

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use any suitable mean for extinguishing surrounding fire.

Unsuitable material: None, but attention should be paid to compatibility with chemicals surrounding.

Specific hazards arising from the chemical:

None Applicable

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus and a chemical protective clothing.

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Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Provide adequate ventilation. Wear personal protection equipment (Section 8).

Environmental precautions:

None applicable.

Methods and material for containment and cleaning up

None Specified.

Unsuitable material for containment/taking up: None specified

Other information

None

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid generation of dust. Provide adequate ventilation. Wear personal protective equipment, when required. Wash hands thoroughly after handling. Do no eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Keep/store only in original container. Store in a well-ventilated place. Keep container tightly closed.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Occupational exposure limits

No specific occupational exposure limit for substances in the mixture.

OSHA	PEL	Not Established
	STEL/ceiling	Not Established
	ACGIH (2012 TLVs® and BEIs®)	
	TWA	Not Established
	STEL/ceiling	Not Established

Engineering controls

Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protective Equipment

Eye/face protection	Chemical goggles, recommended.
Skin Protection	Nitrile rubber gloves, recommended.
Respiratory Protection	Wear respiratory protection, where airborne concentrations are expected to exceed exposure limits

General Hygiene Considerations

Avoid contact with eyes and skin. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties **General information**

Appearance	Rough Particles
Colour	Yellow
Odour	None
Odour Threshold	Not applicable
pH value	Not applicable
Melting point / freezing range	Not applicable
Boiling temperature / boiling range	Not applicable
Flash point	Not applicable
Vapourisation rate / Evaporation rate	No data available
Flammable solids	Not flammable
Explosion limits (LEL, UEL)	Not applicable
Vapour pressure	No data available
Vapour density	No data available
Relative Density	No data available
Solubility	Not applicable
Partition coefficient n-octanol /water	Not applicable
Auto Ignition temperature (AIT)	Not applicable
Decomposition temperature	No data available
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizer
Other information	
None	

Section 10. STABILITY AND REACTIVITY

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stable under normal storage and temperature conditions.

Possibility of hazardous reactions

None identified

Conditions to avoid

None identified

Incompatible materials

None identified

Hazardous decomposition products

None identified

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Section 11. TOXICOLOGICAL INFORMATION

The following information mostly refers to the major components of the product.

Likely routes of exposure (inhalation, ingestion, skin and eye contact)

Eye contact, skin contact and inhalation. Exposure by ingestion is not expected to occur through normal industrial or agricultural use.

Symptoms related to the physical, chemical and toxicological characteristics

May be irritant to the respiratory tract. May cause redness or irritation to the skin and eyes. Ingestion of large amounts may cause gastrointestinal disturbances.

Information on toxicological effects from short and long term exposure

Acute toxicity

There is no data for the mixture itself. Acute oral toxicity LD50:

Acute Oral Toxicity

Assessment / classification

Irritant and corrosive effects

There is no data for the mixture itself.

Irritation to the skin

The product does not contain relevant ingredients classified as corrosive or irritant to the skin in accordance with OSHA, 29 CFR 1910.1200.

Irritation to eyes

The product does not contain relevant ingredients classified as serious eye damage / eye irritant in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

There is no data for the mixture itself. The product does not contain ingredients classified as a respiratory or skin sensitizer present

Assessment / classification: Based on available data, the classification criteria are not met.

Genetic effects

The product does not contain ingredients classified as germ cell mutagens present at or above their cut-off value in accordance with OSHA, 29 CFR 1910.1200..

Assessment / classification: Based on available data, the classification criteria are not met.

Reproductive toxicity

The product does not contain ingredients classified as a category 1 or category 2 reproductive toxicant or for effects on or via lactation present at or above their cut-off value in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

There is no data for the mixture itself.

The product does not contain relevant ingredients classified as Target Organ Toxicant in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

There is no data for the mixture itself.

The product does not contain relevant ingredients classified as Target Organ Toxicant in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met

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Aspiration hazard

Physicochemical data and toxicological information does not indicate an aspiration hazard.

Assessment / classification: Based on available data, the classification criteria are not met

Carcinogenicity

International Agency for Research on Cancer (IARC) No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by IARC.

National Toxicology Program (NTP) No component of this product present at levels $\geq 0.1\%$ is identified as known or anticipated carcinogen by NTP.

29 CFR part 1910, subpart Z No component of this product present at levels $\geq 0.1\%$ is identified as carcinogen or potential carcinogen by OSHA.

California Proposition 65 No component of this product present at levels $\geq 0.1\%$ is identified as carcinogen by California Prop.65.

Assessment / classification: Based on available data, the classification criteria is not met

Other Toxicological Information

None

Section 12. ECOLOGICAL INFORMATION

There is no data for the mixture itself. The following information mostly refers to the major component of the product.

Ecotoxicity

Aquatic Toxicity

May be toxic to aquatic life. In sufficient quantity may deplete oxygen required by aquatic life. May cause eutrophication of ponds and lakes.

Assessment / classification Based on available data, the classification criteria are not met

Persistence and degradability

The product contains mainly inorganic sulfate and phosphate salts. In aqueous solutions, these salts dissociate into their respective ions. Phosphate ions are finally incorporated into the Phosphorus cycle. In anaerobic conditions, bacteria oxidizes ammonium to nitrite which is further oxidized into nitrate.

Bioaccumulative potential

Low potential for bioaccumulation based on physicochemical properties of main components.

Mobility in soil

The components of this mixture have a low potential for adsorption. Portion not taken up by plants, can leach to groundwater.

Other adverse effects

May release ammonium ions that are toxic to fish. Un-ionized ammonia concentrations above 0.02 mg/l are considered toxic in fresh water. May release phosphates which will result in algae growth, increased turbidity, and depleted oxygen. At extremely high concentrations, this may be hazardous to fish or other marine organisms. Release to watercourses may cause effects downstream. Fish 96 hour LC50, OECD Guidelines 203 (rainbow trout): $>86\text{mg/L}$.

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Section 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable federal and state laws.

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

This product is not listed as dangerous waste in the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14. TRANSPORTATION INFORMATION

US DOT (49CFR part 172)

UN-No.	Non dangerous good
UN Proper Shipping Name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Hazard label(s)	Not applicable
Special marking	No
Special Provision	No

International Maritime Organization (IMDG Code)

UN-No.	Non dangerous good
UN Proper Shipping Name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Marine pollutant	No
Hazard label(s)	Not applicable
Special marking	No

International Civil Aviation Organization (ICAO) and International Air Transport Association

UN-No.	Non dangerous good
UN Proper Shipping Name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Hazard label	Not applicable
Special marking	No
Special handling procedure	None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other special precautions

None

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Section 15. REGULATORY INFORMATION

US Federal

SARA Title III Rules

Section 311/312 Hazard Classes

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Release of Pressure No

Reactive Hazard No

Section 313 Toxic Chemicals

None ingredient is listed.

Section 302 Extremely Hazardous Substances (EHS)/CERCLA Hazardous Substances

None ingredient is listed.

NFPA 704/2012: National Fire Protection Association

Health 1

Fire 0

Reactivity 0

Special None

US State Regulations

California Proposition 65 None ingredient is listed.

Chemical Inventories

United States TSCA All ingredients are listed

Canada DSL All ingredients are listed

European Union (EINECS) All ingredients are listed

Section 16. OTHER INFORMATION

This SDS complies with 29 CFR part 1910 subpart Z (2012) and ANSI Standard Z400.1-2004

Prepared by: Nature's Creation®
E-mail info@naturescreation.co
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Indication of changes

All sections were reviewed and modified to comply with 29CFR part 1910 subpart Z (2012).