



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® Corn Gluten Spreadable 9-0-0

**Recommended Uses:** Fertilization of lawn and garden plants

**Restrictions On Uses:** None

**Distributor:** Nature's Creation®

1434 E. Bitters Road

San Antonio, Texas 78216

**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:** Cottonseed Meal, Alfalfa Meal, Sunflower Meal, Soybean Meal, Dried Cane Molasses, Rice Bran, Corn Gluten Meal, Diatomaceous Earth, Soybean Oil, Langbeinite, Magnesium Mica, Sulfur, Iron Sulfate, Iron Amino Acid Complex, Zinc Amino Acid Complex, Manganese Amino Acid Complex.



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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 not 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®  
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**Preparation Date** October 21, 2017

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**Indication of changes**

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