

SAFETY DATA SHEET

Issue Date 14-May-2015

Revision Date 02-January-2018

Version 1

Section 1, IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name: Super-Bind

Other Means of Identification

Uniscope Item Code: 31250

Recommended Use of Chemical and Restrictions on Use

Recommended Use: Animal Food Additive

Use Advised Against: None identified

Supplier Information

Supplier Address: Uniscope, Inc.
310 West South 1st Street
Johnstown, Colorado 80534
USA

Emergency Telephone Number

Company Phone Number: Uniscope, Inc. 970-587-4614 (office hours only)

Section 2, HAZARDS IDENTIFICATION

GHS Classification: Not classified as hazardous

Label elements: None required

Other Hazards: None

Section 3, COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EINECS#	GHS Classification	Weight %	*Trade Secret
Calcium Lignosulfonate	8061-52-7	Not applicable	Not classified as hazardous	0-50	
Sodium Lignosulfonate	8061-51-6	Not applicable	Not classified as hazardous	0-50	
Ammonium Lignosulfonate	8061-53-8	Not applicable	Not classified as hazardous	0-50	
Water	7732-18-5	231-791-2	Not classified as hazardous	50	

Note: This product contains varying amounts of the products listed above.

See Section 16 for further information GHS Classification.

*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

Section 4, FIRST AID MEASURES**Description of First Aid Measures**

- Eye:** Rinse thoroughly with plenty of water, also under the eyelids. If irritation persists: Get medical advice/attention.
- Skin:** No first aid should be needed. Wash skin with soap and water. Get medical attention if symptoms occur.
- Inhalation:** No first aid should be needed. If irritation develops, remove to fresh air. Get medical attention immediately if symptoms occur.
- Ingestion:** No first aid should be needed. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if large amount is swallowed.

Most important symptoms and effects, both acute and delayed:

Poses little or no health hazard. May cause mechanical eye and skin irritation. Inhalation of dust may cause nose and throat irritation, coughing and sneezing. Ingestion may cause gastric upset and nausea.

Indication of any immediate medical attention and special treatment needed: None required

Section 5, FIRE-FIGHTING MEASURES**Suitable Extinguishing Media:**

Use any extinguishing media that is suitable for the surrounding fire.

Specific Hazards Arising from the Chemical

Unusual Fire and Explosion Hazards: If water evaporates, the product may present a dust explosion hazard. Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential explosion hazard.

Hazardous Decomposition Products: Combustion may produce sulfur dioxide and carbon and nitrogen oxides.

Protective Equipment and Precautions for Firefighters

Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

Section 6, ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate protective equipment.

Environmental Precautions:

Avoid unintentional release to the environment

Methods and Material for Containment and Cleaning Up:

Collect and place into an appropriate container for disposal or reuse.

Reference to Other Sections:

Refer to Section 8 for protective equipment. Refer to Section 13 for disposal guidance.

Section 7, HANDLING AND STORAGE**Precautions for Safe Handling:**

Avoid contact with the eyes, skin and clothing, wash thoroughly after handling. Use with adequate ventilation.

Conditions for Safe Storage, Including any Incompatibilities:

Keep containers closed when not in use, store in dry, cool and well-ventilated place.

Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	Exposure Limits
Calcium Lignosulfonate	None Established
Sodium Lignosulfonate	None Established
Ammonium Lignosulfonate	None Established
Water	None Established

Refer to local regulations for specific requirements.

Exposure Controls:

Engineering Controls	Use with adequate general or local ventilation to minimize airborne exposures.
Eye & Face Protection	Follow facility requirements
Skin & Body Protection	None required. Work gloves may be used to protect against mechanical irritation.
Respiratory Protection	Not necessary if airborne workplace concentrations are minimized. If the airborne exposure limits are excessive, a dust/mist respirator approved by local authority for the conditions of use (NIOSH in the U.S.) should be worn. Respiratory selection and use should be based on contaminant type, form and concentration. Follow applicable regulations (OSHA 1910.134 in the U.S.) and standards (ANSI Z88.2 in the U.S.) and good Industrial Hygiene practice.
Protective Clothing	Appropriate protective clothing as needed to minimize skin contact.
Work Hygiene Considerations	Avoid contact with skin, eyes or clothing. Avoid breathing (dust, vapor, mist, gas). Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as required.

Section 9, PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Appearance: Light tan to dark brown powder
Odor: Burnt coffee or woody odor	Odor Threshold: None
pH: <5.0% (aqueous solution)	Relative Density: Not available
Boiling Point: 212°F (100°C)	Melting Point: Not applicable
Vapor Pressure: Same as water	Water Solubility: 100%
Vapor Density: Not applicable	Evaporation Rate: Same as water
Viscosity: Not applicable	Pour Point: Not applicable
Flash Point: None	Flammable Limits: LEL: Not applicable
Autoignition Temperature: None	Flammable Limits: UEL: Not applicable
Percent Volatile: 0%	Flammability (solid/gas): Not applicable
Partition Coefficient: n-octanol/water: Not applicable	Decomposition Temperature: None
Explosive Properties: None	Oxidizing Properties: None

Section 10, STABILITY AND REACTIVITY

Reactivity: Not reactive

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Avoid creating dust. Dust can form an explosive mixture with air. Extremes of temperature and direct sunlight.

Incompatible Materials: Avoid strong acids and oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may produce sulfur dioxide and carbon and nitrogen oxides.

Section 11, TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure**

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation:	No hazardous effects expected.
Eye:	May cause temporary discomfort.
Skin:	No hazardous effects expected.
Skin Absorption:	No evidence of adverse effects from available information.
Ingestion:	May cause gastrointestinal discomfort if ingested in large quantities.
Chronic Toxicity:	No adverse effects expected.

Acute Toxicity Data:

Calcium Lignosulfonate: No toxicity data available

Sodium Lignosulfonate: No toxicity data available

Ammonium Lignosulfonate: No toxicity data available

Skin corrosion/irritation: No data available. This product is not expected to cause skin irritation.

Eye damage/irritation: No data available. This product is not expected to cause eye irritation.

Skin Sensitization: No data available. This product is not expected to cause skin sensitization in humans.

Respiratory Sensitization: No data available. This product is not expected to be a respiratory sensitizer based on human experience.

Germ Cell Mutagenicity: No data available. This product is not expected to cause mutagenic activity.

Carcinogenicity: No data available. This product is not listed as a carcinogen by IARC, NTP OR OSHA.

Developmental/Reproductive Toxicity: No data available. This product is not expected to cause adverse effects on reproduction or development.

Specific Target Organ Toxicity (Single Exposure): No data available.

Specific Target Organ Toxicity (Repeated Exposure): No data available. This product is not expected to cause toxic effects on repeated exposure.

Section 12 ECOLOGICAL INFORMATION

Toxicity: No data available. This product is not expected to be toxic to aquatic organisms.

Persistence and Degradability: No data available.

Bioaccumulation: Not expected to bioaccumulate.

Mobility in Soil: No mobility in soil is expected.

Other adverse Effects: No data available.

Section 13, DISPOSAL CONSIDERATIONS
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Waste Treatment Methods

Disposal of Wastes: Disposal in accordance with local, state and federal regulations.

Empty Container: No special handling or disposal is required.

General Comments: It is the responsibility of the user of this product to characterize wastes generated to determine if the waste meets the definition of hazardous waste. The product uses, transformations, synthesis, mixtures, etc., may render the resulting end product subject to regulation. See Section 16 for additional information on filter cakes.

Section 14, TRANSPORT INFORMATION
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	UN Number	UN Proper Shipping Name	Transport Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not regulated	None	None	Not applicable
EU ADR/RID	None	Not regulated	None	None	Not applicable
IMDG	None	Not regulated	None	None	Not applicable

Special Precautions for User: None

Section 15, REGULATORY INFORMATION

Safety, Health and Environment Regulations:**US Regulations:**

EPA SARA 311/312 Hazard Classification: Not Hazardous

EPA SARA 310: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

Protection of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA Section 103: This product is not subject to CERCLA spill reporting requirements. Many states have more stringent release reporting requirements. Report spills when required under federal, state and local regulations.

California Proposition 65: This product is not known to contain chemicals regulated under Proposition 65.

Canadian Regulations:

Canadian WHMIS: Not a controlled product.

This product has been classified in accordance with the hazard criteria in the CPR and the SDS contains all the information required by the CPR.

Chemical Inventories:

US TSCA: All of the components of this material are listed on the Toxic Substances Control Act, (TSCA) Chemical Substances Inventory or are exempt.

Canadian CEPA: All of the components are listed on the Canadian DSL or are exempt.

Australia: All of the components are listed on the AICS inventory or are exempt.

China: All the components are listed on the Chinese chemical inventory or are exempt.

Philippines: All the components are listed in the Philippine Inventory.

New Zealand: All the components are listed in the New Zealand Chemicals Inventory.

Korea: All the components are listed in the Korean Existing Chemicals Inventory.

Japan: All the components are listed in the Japan Inventory of existing chemicals.

Section 16, OTHER INFORMATION

GHS/CLP Hazard Classes and Statements for Reference (See Sections 2 and 3): None

Prepared By: Uniscope, Inc.
Issue Date: 14-May-2015
Revision Date: 02-January-2018
Revision Note: No information available.

References:

REACH Registration Dossier 2013
NLM Hazardous Substances Databank
IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, 2013
Industrial Hygiene and Toxicology, F.A. Patty
Annex VI to Regulation (EC) No 1272/2/2008

Disclaimer

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