

Safety Data Sheet

29 CFR 1910.1200



Section 1: Company and Product Identification

Product Name: NANO “Adjuvant”

Product Code: DSB

Company: ProGreen Ag, LLC

P.O Box 8712 Topeka, KS 66606

Phone: 785-220-2123

Emergency Response: 785-220-2123

Section 2: Hazards Identification



Hazard Pictograms:

Signal Word: Danger

Hazard Category: Serious eye damage/eye irritation Cat 1

Hazard Statements: H318: Causes serious eye damage

Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P501: Dispose of contents/container in accordance with local/national/international rules.

Section 3: Composition/ Information on Ingredients

Hazardous Substance name	Hazard Category	CAS#	Weight%
Ethoxylated Alcohols, Propylene Glycol	Serious eye damage/eye irritation Cat 1	Mixture	85

Section 4: First Aid Measures

Notable Exposure Eyes: Burning sensation. Skin: Irritation possible.

symptoms: Ingestion: gastrointestinal disturbances including irritation, nausea, and diarrhea

If ingested: If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting.

If inhaled: Move to fresh air. Obtain medical attention if asthma-like symptoms or other symptoms develop.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy

to do. Get medical attention if irritation develops or persists.

Skin contact: Wash with water and soap as a precaution.

Section 5: Fire Fighting Measures

Extinguishing Method : Carbon dioxide (CO₂), dry chemical, foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment.

Equipment:

Hazardous Decomposition Info: At high temperatures may release Carbon monoxide and Carbon dioxide.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing vapors. Ventilate area if easy to do so. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Containment Equipment and Procedures: Large Spills: Contain actively spilling material if safe and easy to do so. Dike the spilled material, where this is possible. Utilize absorbent clay or sand to contain and stop spreading material.

Small Spills: Utilize absorbent clay or sand and transfer to waste receptacles.

Cleanup Procedures: Collect all contaminated clay, media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, utilize mineral spirits or other solvents, provided adequate ventilation is available.

Section 7: Handling and Storage

Safe Handling Precautions: Do not handle until all safety precautions have been read and understood. Do not handle near an open flame or sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment.

Recommendations for Storage: Store in cool area in product container away from sources of ignition or flame. Store away from oxidizing agents. Refer to Section 10.

Incompatibilities: Store away from oxidizing agents. Refer to Section 10.

Section 8: Exposure Control/ Personal Protection

General / Engineering : Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. Eye wash facilities must be available when handling this product.

Controls: Work Clothing: No specific recommendation.

Eye/face protection: Wear safety goggles or face shield.

Skin Protection: No specific recommendation.

Respiratory Protection: For normal operations, no respiratory protection is required.

Additional Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or **Information:** exposed skin after using the product.

Section 9: Physical and Chemical Properties

Substances with Exposure Limits	CAS#	ACGIH-TLV	OSHA-PEL
Not available	Not available	Not available	Not available

State: Liquid

Color: Clear

Sp Grav: 0.99

Evaporation rate: <1

Upper Flam Limits: Not available

VOC Content (lbs/gal): Not available

Melting Point: >32F

Boiling Point/Range: >300F >(149C)

Odor: Mild Odor

Flash Point: >300F (PMCC)

Lower Flam Limits: Not available

Viscosity: Not available

Freezing Point: Not Available

pH : Not available

Water Solubility: Soluble

Part. Coeff (n- octanol/water) : Not available

Vapor Pressure: Negligible

Autoignition Temp: Not Available

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions. **Incompatible** Strong oxidizing agents.
materials:

Decomposition No decomposition products known. Toxic substances may be released in the event of a fire. **products:**

Section 11: Toxicological Information

Toxicological Information (product): No data is available on the product itself.

Likely Routes of Exposure: Severe eye irritation.

Toxicological Information (contained substances)

Hazardous substance (name) : Ethoxylated Alcohols

LD50 Oral : >2,000 mg/kg (rat)

LD50 Dermal : >5,000 mg/kg (rat)

LC50 Inh : Not Available

Irritancy: Not Available

Carcinogenicity or mutagenicity: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

Sensitization: No data available.

Other Notes: None.

Section 12: Ecological Information

General information: Product not Tested

Aquatic toxicity: LC50 (96 h) : 6 mg/l Species : Rainbow trout (*Oncorhynchus mykiss*). EC50 (48 h) : 2.5 mg/l Species : Daphnia
ErC50 (96 h) : 1 - 10 mg/l Species : Algae.

Degradation / Mobility info: No data is available on the product itself

Bioaccumulative potential: No data is available on the product itself

Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor. Contains no flammable solvents.

Container disposal: Treat empty containers with extra care, as residual solvents may pose ignition hazard. Consult waste contractor.

Other considerations: No Further Information

Section 14: Transport Information

DOT: Not Dangerous Goods

IMO/IMDG: Not Dangerous Goods

IATA: Not Dangerous Goods

OTHER: TDG: Not Dangerous Goods

Comments: Not classified as dangerous in the meaning of transport regulations. The transportation information is not intended to convey all specific regulatory data relating to this material.

Section 15: Regulatory Information

TSCA:Included on Inventory

SARA 311/312: Acute Health Hazard.

SARA 313 : None

California Prop 65 Substances:

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

Canadian DSL: Included on Inventory.

Section 16: Other Information

HMIS Rating

Health: 1

Flammability: 0

Physical hazard: 0

SDS Author: ProGreen Ag

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