

Safety Data Sheet
29 CFR 1910.1200



Section 1: Company and Product Identification

Product Name: BUFFER-75 “Agricultural Buffering Agent”

Product Code: BFB

Company: Ag Spray, Inc.
PO Box 12129
Salem OR 97309
PH: 503-371-7907

Emergency Response: 503-371-7907

Section 2: Hazards Identification

Hazard Pictograms:



Signal Word: Danger

Hazard Category: Corrosive to metals Cat 1
Acute tox, oral Cat 4
Acute tox, dermal Cat 5
Skin corrosion/irritation Cat 1

Hazard Statements: H290: May be corrosive to metals
H302: Harmful if swallowed
H313: May be harmful in contact with skin
H314: Causes severe skin burns and 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 %
Phosphoric Acid	Skin corrosion/irritation Cat 1	Mixture	75

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 / Equipment:** Carbon dioxide (CO₂), dry chemical, foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective 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.
- Incompatibilities:** Store away from oxidizing agents. Refer to Section 10.

Section 8: Exposure Control / Personal Protection

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

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

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

Section 9: Physical and Chemical Properties

State: Liquid	Melting Point: ~-17°C (~1°F)	Freezing Point: Not available
Color: Clear	Boiling Point/Range: ~135°C(275°F)	pH <2
Sp Grav: Not available	Odor: Odorless	Water Solubility: Soluble
Evaporation rate: Not available	Flash Point: Not Flammable	Part. Coeff (n-octanol/water) Not available
Upper Flam Limits: Not Explosive	Lower Flam Limits: Not Explosive	Vapor Pressure: 0.0285 mmHg at 20°C
VOC Content (lbs/gal): Not available	Viscosity: Not available	Autoignition Temp: Not available

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Incompatible materials: Strong oxidizing agents.

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

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)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
Phosphoric Acid	1,530 mg/kg (rat)	2,740 mg/kg (rat)	1.689 mg/l/4 hours [Phosphoric Acid]	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:	3
Flammability:	0
Physical hazard:	0

SDS Author: Jared Crofoot

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