

Safety Data Sheet

BUFFER X-TRA

SDS Number: 103 Revision: August 9, 2017

Section 1 · IDENTIFICATION

Product Name Buffer X-Tra
Other Identification Proprietary mixture of alkylaryl polyoxyethylene glycols, isopropanol and phosphoric acid.
Product Form Mixture

Recommended Use Agricultural spray adjuvant: Non-ionic organosilicone spray adjuvant

Manufacturer
Company Name Custom Ag Formulators, Inc.
Address 3430 S Willow Ave, Fresno, CA 93725, United States
Telephone (800) 355-4457
Website www.4caf.com

Emergency Contacts Custom Ag Formulators, Inc. (559) 435-1052
CHEMTREC (800) 424-9300 (Domestic)
(703) 527-3887 (International)

Section 2 · HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Eye Irrit. 2A H319
Aquatic Acute 3 H402
Full text of H-phrases: see section 16

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



GHS07

Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H319 - Causes serious eye irritation.
H402 - Harmful to aquatic life.

Precautionary Statements (GHS-US)

: P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. This material or its emissions may defat skin, cause contact dermatitis, or aggravate existing skin disease.



Unknown Acute Toxicity (GHS-US)

No data available

Section 3 · COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Name	Product Identifier	%	Classification (GHS-US)
Proprietary ethoxylated alcohol	(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 Eye Dam. 2A, H319 Aquatic Acute 2, H401
Proprietary ingredient 2	(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 Eye Dam. 2A, H319

Section 4 · FIRST-AID MEASURES

Inhalation	When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Section 5 · FIRE-FIGHTING MEASURES

Suitable extinguishing	Dry powder, alcohol-resistant foam, water in large amounts, carbon dioxide (CO ₂).
Unsuitable extinguishing	Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase fire intensity.
Specific hazards arising from the chemical	<i>Fire Hazard:</i> Not considered flammable but will burn at high temperatures. <i>Explosion Hazard:</i> Product is not explosive. <i>Reactivity:</i> Hazardous reactions will not occur under normal conditions.
Special protective equipment and precautions for firefighters	Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.
Fire-fighting	Use water spray or fog for cooling exposed containers. Do not get water



- equipment/instructions** inside containers. Do not apply water stream directly at source of leak. Do not breathe fumes from fires or vapors from decomposition. Do not allow run-off from firefighting to enter drains or water courses.
- Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.
- General fire hazards** Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6 · ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray. Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel.

Methods and materials for containment and cleaning up

- Large Spills* Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered. Contact competent authorities after a spill.
- Small Spills* Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

- Environmental precautions** Do not allow runoff to sewer, waterway or ground.

Section 7 · HANDLING & STORAGE

- Precautions for safe handling** Avoid all unnecessary exposure. Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

- Conditions for safe storage, including any incompatibilities** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers. Alkalis. Caustic products. Halogens

Section 8 · EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Exposure Controls

- Appropriate Engineering Controls** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential

exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

: Protective goggles. Gloves. Protective clothing.
Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

: Chemically resistant

materials and fabrics. Hand Protection

: Wear chemically

resistant protective gloves. Eye Protection

: Chemical safety

goggles.

Skin and Body Protection

: Wear suitable protective clothing.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Consumer Exposure Controls

: Do not eat, drink or smoke during use.

Section 9 · PHYSICAL & CHEMICAL PROPERTIES

Appearance	Amber, liquid.
Odor	Light surfactant odor
Odor threshold	N/A
pH	2.0
Melting point/freezing point	N/A / > 20 °F (> -6.67 °C)
Initial boiling point and boiling range	> 300 °F (> 148.89 °C)
Flash point	> 250 °F (> 121.11 °C)
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	
<i>Flammability limit - lower (%)</i>	N/A
<i>Flammability limit - upper (%)</i>	N/A
Explosive limit - lower (%)	N/A
Explosive limit - upper (%)	N/A
Vapor density	N/A
Relative density	8.92 lbs/gal
Specific gravity	1.07
Solubility(ies)	
<i>Solubility (water)</i>	100%
Partition coefficient (n-octanol/water)	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A

Section 10 · STABILITY & REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions
Possibility of hazardous reactions	Hazardous polymerization will not occur



Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong acids. Strong bases. Strong oxidizers. Alkalis. Halogens.
Hazardous decomposition products	Thermal decomposition generates: Carbon oxides (CO, CO ₂). Nitrogen oxides. Silicon oxides. Formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation

Section 11 · TOXICOLOGICAL INFORMATION

Information On Toxicological Effects

Acute

Toxicity:

Not classified

BUFFER XTRA

LD50 Oral Rat > 5050 mg/kg

LD50 Dermal Rat > 2020 mg/kg

Proprietary ethoxylated alcohol

LD50 Oral Rat 1400 mg/kg

LD50 Dermal Rat > 2 g/kg

Proprietary ingredient 2

ATE (Oral) 500.00 mg/kg body weight

Skin Corrosion/Irritation: Not classified (Based on a Primary Skin Irritation Test on New Zealand White Rabbits, this product was slightly irritating after 72 hours, and does not meet the definition of a Skin Irritant).

pH: 7.45

Serious Eye Damage/Irritation: Causes serious eye irritation. (Based on a Primary Skin Irritation Test on New Zealand White Rabbits, this product was moderately irritating to the Eyes with fully reversible effects after 10 days).

pH: 7.45

Respiratory or Skin

Sensitization: Not classified

Germ Cell Mutagenicity:

Not classified

Carcinogenicity:

Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single

Exposure): Not classified **Specific Target Organ**

Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause irritation to the respiratory tract.

Symptoms/Injuries After Skin Contact: May cause mild skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

Section 12 · ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life.



Persistence and degradability	No data is available on the degradability of this product
Bio accumulative potential	Not available
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 · DISPOSAL CONSIDERATION

Disposal instructions	Consult federal, state and local regulations for disposal requirements.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 · TRANSPORT INFORMATION

General Not DOT regulated in domestic (USA ground) transportation in package sizes less than 3,550 lbs (317 gallons); 1,610 kg (1,200 liters). The DOT transportation information below is for shipments with package sizes equal to or exceeding this value. IMDG Regulated Marine Pollutant.

DOT - Basic shipping requirements:

- UN number* Not regulated for transport
- DOT Label* Not regulated for transport
- Proper shipping name* Not regulated for transport
- Hazard class* Not regulated for transport
- Packing group* Not regulated for transport

IMDG - Basic shipping requirements:

- UN number* Not regulated for transport
- IMGD Label* Not regulated for transport
- Proper shipping name* Not regulated for transport
- Hazard class* Not regulated for transport
- Packing group* Not regulated for transport
- EMS NO* Not regulated for transport

IATA - Basic shipping requirements:

- UN number* Not regulated for transport
- Proper shipping name* Not regulated for transport
- Hazard class* Not regulated for transport
- Packing group* Not regulated for transport
- OCAP* Not regulated for transport

Environmental hazards



Marine pollutant Yes

Special precautions Read safety instructions, SDS and emergency procedures before handling.

Section 15 · REGULATORY INFORMATION

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Proposition 65 (CA) Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Reportable Quantity Not applicable

SARA 304 Emergency release notification Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

<i>Hazard categories</i>	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No

SARA 302 Extremely hazardous substance Not listed

SARA 311/312 Hazardous chemical Immediate (acute) health hazard

Section 16 · OTHER INFORMATION

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Disclaimer The above information is based on data of which the manufacturer is aware and is believed to be correct as of the date hereon. Since the information contained herein may be applied under conditions beyond the manufacturer's control and which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, the manufacturer does not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H302	Harmful if swallowed
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H402	Harmful to aquatic life