

Safety Data Sheet ***BROADSPRED***

SDS Number: 102 Revision: August 9, 2017

Section 1 · IDENTIFICATION

Product Name Broadspred
Other Identification N/A
Product Form Mizture

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

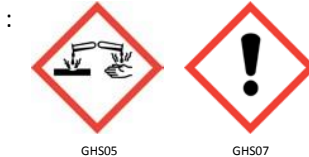
Classification (GHS-US)

Acute Tox. 4 (Oral) H302
 Eye Dam. 1 H318
 Aquatic Acute 2 H401
 Full text of H-phrases: see section 16

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H302 - Harmful if swallowed.
 H318 - Causes serious eye

Precautionary Statements (GHS-US)

: P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.
 P280 - Wear protective gloves, protective clothing, and eye protection.
 P301+P312 - IF SWALLOWED: Call a poison center or doctor if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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. 1, H318 Aquatic Acute 2, H401
Proprietary ingredient 2	(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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 (CO2).
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	Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective



precautions for firefighters	clothing.
Fire-fighting equipment/instructions	Use water spray or fog for cooling exposed containers. Do not get water 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.
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Methods and materials for containment and cleaning up

<i>Large Spills</i>	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.
<i>Small Spills</i>	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.
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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.
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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.
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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.

Other Information

: When using, do not eat, drink or smoke.

Section 9 · PHYSICAL & CHEMICAL PROPERTIES

Appearance	Liquid.
Odor	None.
Odor threshold	N/A
pH	8.36
Melting point/freezing point	N/A
Initial boiling point and boiling range	> 350 °F (> 176.67 °C)
Flash point	N/A
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	8.16 lbs/gal
Specific gravity	0.96
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	Carbon dioxide, Carbon Monoxide Silicon oxides. Measurements at temperatures above 150° C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

Section 11 · TOXICOLOGICAL INFORMATION

Information On

Toxicological Effects

Acute Toxicity: Oral:
Harmful if swallowed.

Broadspred

ATE (Oral) 921.05 mg/kg body weight

Proprietary ethoxylated alcohol (Proprietary)

LD50 Oral Rat 1400 mg/kg

LD50 Dermal Rat > 2 g/kg

Proprietary ingredient 2 (Proprietary)

ATE (Oral) 500.00 mg/kg body weight

Skin Corrosion/Irritation: Not classified

pH: 8.36

Serious Eye Damage/Irritation: Causes serious eye damage.

pH: 8.36

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 damage. Causes permanent damage to the cornea, iris, or conjunctiva. Can cause blindness.

Symptoms/Injuries After Ingestion: Harmful if swallowed.

Chronic Symptoms: None known.

Section 12 · ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic life.
Persistence and	No data is available on the degradability of this product



degradability

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

IMGD - 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 considered 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

Issue date August 9, 2017

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
Eye Dam. 1	Serious eye damage/eye irritation Category 1
H302	Harmful if swallowed
H318	Causes serious eye damage
H401	Toxic to aquatic life