

Safety Data Sheet INTAKE

SDS Number:	111	Revision:		February 28, 2017
Section 1 · IDENTIF	ICATION			
Product Name Other Identification Product Form	Intake Propriety mixture of Alkylarylpolyoxy Proprietary glycols, isopropanol and Humic Acids. Mixture			
Recommended Use	Agricultural spray adju	ıvant.		
Manufacturer				
Company Name Address Telephone Website	•	-	United States	
Emergency Contacts	Custom Ag Formulato	rs, Inc.	(559) 435-10)52
	CHEMTREC		. ,	800 (Domestic) 887 (International)

Section 2 · HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture

H319
H317
H351
H373
H401
H412
section 16

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

Signal Word (GHS-US) Hazard Statements (GHS-US) : Warning

- : H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or
- repeated exposure.
- H401 Toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.



Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical

advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with

local, regional, national, and international regulations.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

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 glycol	(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Proprietary alcohol	(CAS No) Proprietary	Proprietary	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Proprietary ingredient 3	(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412



(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(CAS No) Proprietary	Proprietary	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 Aquatic Acute 2, H401
(CAS No) Proprietary	Proprietary	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
	(CAS No) Proprietary	(CAS No) Proprietary Proprietary

Section 4 · FIRST-A	ID 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-FIG	HTING 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. A heavy water stream may spread burning liquid.
Specific hazards arising from the chemical	Fire Hazard: Not considered flammable but may burn at high temperatures.
	Explosion Hazard: Product is not explosive.
	<i>Reactivity:</i> May react violently with oxidants, causing fire and explosion hazard.



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 equipment/instructions	Use water spray or fog for cooling exposed containers. 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 f	or 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	Prevent entry to sewers and public waters.	

Section 7 · HANDELING & STORAGE

Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, and spray. Hygiene Measures: 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. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash your hands immediately after handling this product, and once again before leaving the workplace.
Conditions for safe storage, including any incompatibilities	<i>Storage Conditions:</i> 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. Store locked up.



Incompatible Products: Strong acids. Strong bases. Strong oxidizers. Acetaldehyde. Chlorine. Ethylene oxide. Isocyanates. Peroxides. Bromine.

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).

Proprietary in	ngredient 6 (Proprietary)		
USA ACGIH	ACGIH TWA (mg/m³)		1 mg/m ³ (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category		Skin - potential significant contribution to overall exposure by
			the cutaneous route, Confirmed Animal Carcinogen with
			Unknown Relevance to Humans
USA NIOSH	NIOSH REL (TWA) (mg/m³)		15 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)		3 ppm
Proprietary g	lycol (Proprietary)		
USA ACGIH	ACGIH Ceiling (mg/m ³)		100 mg/m ³ (aerosol only)
USA ACGIH	ACGIH chemical category		Not Classifiable as a Human Carcinogen
Proprietary a	lcohol (Proprietary)		
USA ACGIH	ACGIH TWA (ppm)		200 ppm
USA ACGIH	ACGIH STEL (ppm)		400 ppm
USA ACGIH	ACGIH chemical category		Not Classifiable as a Human Carcinogen
USA NIOSH	NIOSH REL (TWA) (mg/m³)		980 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)		400 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)		1225 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)		500 ppm
USA IDLH	US IDLH (ppm)		2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) (mg/m³)		980 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)		400 ppm
Exposure Cont	rols		
Appropriate Engineering Controls		:	Emergency eye wash fountains 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.

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



Materials for Protective Clothing materials and fabrics. Hand Protection resistant protective gloves. Eye Protection : Chemical safety goggles. Skin and Body Protection **Respiratory Protection**

: Chemically resistant

: Wear chemically

- : Wear suitable protective clothing.
- : 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 Odor

Black, liquid. Surfactant odor

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Odor threshold	N/A	
рН	6.93	
Melting point/freezing point	N/A / < 35 °F (< 1.67 °C)	
Initial boiling point and boiling range	> 200 °F (> 93.33 °C)	
Flash point	> 200 °F (> 93.33 °C)	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Upper/lower flammability or explosive l	imits	
Flammability limit - lower (%)	N/A	
Flammability limit - upper (%)	N/A	
Explosive limit - lower (%)	N/A	
Explosive limit - upper (%)	N/A	
Vapor density	N/A	
Relative density	8.9 lbs/gal	
Specific gravity	1.07	
Solubility(ies)		
Solubility (water)	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	May react violently with oxidants.		
Chemical stability	Material is stable under normal conditions		
Possibility of hazardous reactions	Hazardous polymerization will not occur		
Conditions to avoid	Direct sunlight. Extremely high or low temperatures. Sources of ignition. Incompatible materials.		
Incompatible materials	Strong acids. Strong bases. Strong oxidizers.		
Hazardous decomposition products	May release flammable gases. Carbon oxides (CO, CO 2). Nitrogen oxides. Hydrocarbons. Carbonyl compounds.		

Section 11 · TOXICOLOGICAL INFORMATION

Information On Toxicological Effects	
Acute Toxicity: Not classified	
Intake	
LD50 Oral Rat	> 5050
LD50 Dermal Rabbit	> 2020 mg/kg
Proprietary trialkylamine (Proprietary)	
ATE (Oral)	500.00 mg/kg body weight
ATE (Gases)	100.00 ppmV/4h
ATE (Vapors)	0.50 mg/l/4h
ATE (Dust/Mist)	0.05 mg/l/4h
Proprietary ingredient 5 (Proprietary)	



LD50 Oral Rat	12400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
Proprietary ingredient 6 (Proprietary)	
LD50 Oral Rat	1820 mg/kg
Proprietary glycol (Proprietary)	
LD50 Oral Rat	4700 mg/kg
LD50 Dermal Rat	10600 mg/kg
ATE (Oral)	500.00 mg/kg body weight
ATE (Dermal)	10,600.00 mg/kg body weight
Proprietary alcohol (Proprietary)	
LD50 Oral Rat	4710 mg/kg
LD50 Dermal Rabbit	4059 mg/kg
LC50 Inhalation Rat	72.6 mg/l/4h (Exposure time: 4 h)
Proprietary ingredient 3 (Proprietary)	
LD50 Oral Rat	1310 mg/kg
Skin Corrosion/Irritation: Not classified.	
	e irritation. Derived from a read across of primary eye
	ects were fully reversible within 21 days, but elicited primary
irritation in 2 of 3 tested animals (Pesticide Asses	sment Guidelines, Subdivision F, Hazard Evaluation: Series
81-5, EPA 540/9-84-014).	
pH: 6.93	
Respiratory or Skin Sensitization: May cause an a	allergic skin reaction.
Germ Cell Mutagenicity: Not classified	
Carcinogenicity: Suspected of causing cancer.	
Proprietary ingredient 5 (Proprietary)	
IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary ingredient 6 (Proprietary)	20
IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary alcohol (Proprietary)	2
IARC group	3
Reproductive Toxicity: Not classified	Nationsified
Specific Target Organ Toxicity (Single Exposure):	
repeated exposure.	re): May cause damage to organs through prolonged or
Aspiration Hazard: Not classified	
Symptoms/Injuries After Inhalation: May cause i	
Symptoms/Injuries After Skin Contact: Causes sk	
	rious eye irritation. Redness, pain, swelling, itching,
burning, tearing, and blurred vision. Symptoms/Injuries After Ingestion: Ingestion ma	w cause adverse effects
	May cause damage to organs through prolonged or repeated
exposure.	

Section 12 · ECOLOGICAL INFORMATION

Toxicity	
Ecology - General	: Toxic to aquatic life. Harmful to aquatic life with long lasting
effects.	
Intake	
LC50 Fish 1	9.1 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

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NOEC (acute)	3.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Proprietary trialkylamine (Proprie	
NOEC chronic fish	0.5 mg/l
Proprietary ingredient 5 (Propriet	
LC50 Fish 1	3.6 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
EC50 Daphnia 1	2.15 mg/l (Exposure time: 48 h - Species: Daphnia pulex [Static])
ErC50 (algae)	2.2 mg/l (Exposure time: 72 h - Species: Scenedesmus subspicatus)
Proprietary ingredient 6 (Propriet	
LC50 Fish 1	4460 (4460 - 4980) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	55 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	1200 (1200 - 1580) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	2.1 (2.1 - 2.3) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
ErC50 (algae)	2.2 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [Static])
NOEC chronic crustacea	0.78 mg/l
Proprietary glycol (Proprietary)	
LC50 Fish 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
Proprietary alcohol (Proprietary)	
LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow- through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC 50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
Persistence and Degradability Intake	
Persistence and Degradability	Not established.
Bioaccumulative Potential Intake	
Bioaccumulative Potential	Not established.
Proprietary ingredient 6 (Propriet	ary)
BCF fish 1	(no significant bioconcentration)
Log Pow	-2.18 (at 25 °C)
Proprietary glycol (Proprietary)	
Log Pow	-1.93
Proprietary alcohol (Proprietary)	
Log Pow	0.05 (at 25 °C)
Mobility in Soil No additional infor	
Other Adverse Effects	
Other Information : Avoid re	lease to the environment



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	sizes less than 3,550 lbs (3 transportation informatio	estic (USA ground) transportation in package 17 gallons); 1,610 kg (1,200 liters). The DOT n below is for shipments with package sizes equal IMDG Regulated Marine Pollutant.	
DOT - Basic shipping requ	uirements:		
UN number	Not regulated for transpo	rt	
DOT Label	Not regulated for transport		
Proper shipping name	Not regulated for transpo	rt	
Hazard class	Not regulated for transpo	rt	
Packing group	Not regulated for transpo	rt	
IMGD - Basic shipping red	-		
UN number	Not regulated for transpo	rt	
IMGD Label	Not regulated for transpo	rt	
Proper shipping name	Not regulated for transpo	rt	
Hazard class	Not regulated for transpo	rt	
Packing group	Not regulated for transpo	rt	
EMS NO	Not regulated for transpo	rt	
IATA - Basic shipping req	uirements:		
UN number	Not regulated for transpo		
Proper shipping name	Not regulated for transpo	rt	
Hazard class	Not regulated for transpo	rt	
Packing group	Not regulated for transport		
OCAP	Not regulated for transpo	rt	
Environmental hazards			
Marine pollutant	N/A		
Special precautions	Read safety instructions, S	DS and emergency procedures before handling.	
US State Regulations			
Proprietary ingredient 5 (Pr		·····	
U.S California - Propositio	n 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.	
Proprietary ingredient 6 (Pr		MANNER This are dust as stains showing in the	
U.S California - Propositio	n 65 - Carcinogens List	WARNING: This product contains chemicals known to	

U.S. - California - Proposition 65 - Carcinogens List

WARNING: This product contains chemicals known to the State of California to cause cancer.

Proprietary ingredient 6 (Proprietary)



- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

Proprietary glycol (Proprietary)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

Proprietary alcohol (Proprietary)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

Section 15 · REGULATORY INFORMATION

US federal regulations	This product is a "Hazardous Cl Communication Standard, 29 C U.S. EPA TSCA Inventory List. T Chemical" as defined by the OS CFR 1910.1200.	CFR 1910.1200. All com his product is not know	ponents are on the vn to be a "Hazardous
Proposition 65 (CA)	Warning: This product contains to cause cancer and birth defe		
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated			Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)			
		Reportable Quantity	Not applicable
SARA 304 Emergency release notification Not regulated		Not regulated	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed			
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
	Hazard categories	Immediate Hazard	Yes
	-	Delayed Hazard	No
		Fire Hazard	No
		Pressure Hazard	No
		Reactivity Hazard	No
SARA 302 Extremely haza	ardous substance	·	Not listed
SARA 311/312 Hazardous		Immediate (acute) h	ealth hazard
		Delayed (chronic) he	alth hazard

Section 16 · OTHER INFORMATION

Issue date February 28, 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. 2 (Inhalation)	Acute toxicity (inhalation) Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation