

Safety Data Sheet

Advance LCO

SDS Number: 10025
SDS Prepared: 10/09/2013
SDS Version: 1.5
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Advance LCO

CHEMICAL NAME: Polyhydroxy carboxylic and aliphatic carboxylic acids with lipochitooligosaccharide

CHEMICAL FAMILY: Aqueous Organic Salt Solution

COMMON NAME: Carboxylic Acid Blend with LCO

EPA REGISTRATION NUMBER: Not Regulated

Manufactured by: Coastal AgroBusiness, Inc.
PO Box 856
Greenville, NC 27835
Phone: 1-800-635-1388

Emergency Telephone Numbers
Chemtrec (24 hours)
1-800-424-9300
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Eye Irritant 2B H320

Acute Toxicity - Dermal 5 H313

LABEL ELEMENTS

GHS-US Labeling

SIGNAL WORD (GHS-US)

WARNING

HAZARD STATEMENTS (GHS-US)

H320 - Causes eye irritation.

H313 - May be harmful in contact with skin.

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.

P203 - Obtain, read, and follow all safety instructions before use.

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

P270 - Do not eat, drink or smoke when using this product.

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+P311 - If exposed or concerned: Call a POISON CENTER/doctor.

P332+P313 - If irritation 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.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV
Proprietary blend of natural mono- and di-carboxylic acids, polyhydroxy carboxylic acid and 2-hydroxy-1,2,3-propanetricarboxylic acid, with lipochitooligosaccharide	40%	Mixture	10 mg/m ³
Inert Ingredients	Balance	N/A	N/A

4. FIRST AID MEASURES

EYES:	Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention.
SKIN:	Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.
INGESTION:	Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
INHALATION:	Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	Non-combustible
FLAMMABLE LIMITS (LFL & UFL):	Not applicable
EXTINGUISHING MEDIA:	Non-combustible product; use extinguishing media for underlying cause of fire
HAZARDOUS COMBUSTION PRODUCTS:	None known
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained positive-pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Clear fire area of unprotected personnel. Cool fire-exposed containers with water. Attack from upwind.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Product generates toxic and irritating fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS:	Soak up with absorbent, shovel into a suitable container for disposal.
LARGE SPILLS:	Control and contain. Dike the spill to minimize contaminated area and facilitate salvage or disposal. Recover material for use, reprocessing, or disposal.
CAUTION:	Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:	Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with skin.
STORAGE:	Store in well-ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from sources of heat or flame. Store totes and smaller containers out of direct sunlight at moderate temperatures less than 105°F/40.5°C but greater than 0°F/-17.8°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT:	NOL
SIGNS AND SYMPTOMS OF EXPOSURE:	Irritation of the skin and eyes. Contact with eyes is painful and irritating.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
PRIMARY ROUTES OF ENTRY:	Dermal

ENGINEERING CONTROLS:	Use adequate exhaust ventilation to prevent inhalation of product vapors.
RESPIRATORY PROTECTION:	If vapors are present, use NIOSH or MSHA-approved respirator for acidic vapors, an air-line respirator, or a self-contained breathing apparatus.
EYE PROTECTION:	Avoid contact with eyes. Wear full-face shield or chemical safety goggles when handling. Do not wear contact lenses.
SKIN PROTECTION:	Avoid contact with skin. Use impervious gloves and clothing to prevent repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND PHYSICAL STATE:	Pale, Clear-yellowish liquid
ODOR:	Moderate alcohol-like.
SPECIFIC GRAVITY (Water=1):	1.05
VAPOR PRESSURE:	Not established
VAPOR DENSITY (Air = 1):	Not established
% VOLATILITY (V/V):	Not applicable
BOILING POINT:	212°F (100°C)
MELTING POINT:	Not established
SOLUBILITY:	Not applicable
pH:	4.0 - 6.0
VISCOSITY @ 68°F (20°C):	1.2 cp

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	None currently known.
INCOMPATIBILITY:	Product may react to strong oxidizing agents.
REACTIVITY:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	May produce toxic fumes of carbon oxides.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	>5000 mg/kg of body weight
ACUTE DERMAL LD₅₀:	>2000 mg/kg of body weight
ACUTE INHALATION LC₅₀:	No data available.
EYE IRRITATION:	Causes moderate eye irritation.
CARCINOGENIC POTENTIAL:	None listed in OSHA, NTP, IARC, or ACGIH
SKIN IRRITATION:	Causes slight skin irritation.
DERMAL SENSITIZATION:	Not considered a contact sensitizer.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State, and Local environmental regulations.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA
2 Health 0 Reactivity
0 Flammability

HMIS
2 Health 0 Reactivity
0 Flammability 0 PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate: Y Fire: N Sudden Release of Pressure: N
Delayed: N Reactive: N
Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed
SARA, Title III, Section 302: EHS: None
TPQ: 10,000 lbs.

RCRA Waste Code: Not listed
CA Proposition 65: Not listed

16. OTHER INFORMATION

SDS STATUS: Updated
REASON FOR CHANGE: Updated Technical Information
PREPARED BY: Emma Simpson, Product Development Specialist - Chemist

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