



Please read the entire document. This Material Safety Data Sheet contains important environmental, health and toxicology information for your employees, and anyone who will use, transport, store, dispose of or handle this product. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under WHMIS. If you resell this product, this MSDS must be given to the buyer or the information contained herein must be incorporated in your MSDS.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMIGO® Adjuvant
PMRA REGISTRATION NUMBER: 22644
SYNONYM(S): None

<u>COMPANY</u>
Arysta LifeScience North America LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513

<u>EMERGENCY TELEPHONE NUMBERS</u>	
HEALTH EMERGENCY:	SPILL EMERGENCY:
1-866-303-6952, or 1-651-632-8946	1-800-424-9300, or 1-703-527-3887

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredient(s)/ Hazardous Inert Ingredient(s)	CAS #	Exposure Limits*	% Weight	% Volume
Phosphate Ester Surfactant	NDA	None	30	NA

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Only the identities of the active ingredient(s) and any hazardous inert ingredients are listed. Specific information on all of this product's ingredients can be obtained by the treating medical professional or spill emergency responder for the management of exposures, spills, or safety assessments.

*Source: *Guide to Occupational Exposure Values 2008*, published by ACGIH

^a**TWA:** Time-weighted average exposure concentration for a conventional 8-hour (TLV, PEL) or up to a 10-hour (REL) workday and a 40-hour workweek.

^b**STEL:** Short-Term Exposure Limit. Usually a 15-minute time-weighted average (TWA) exposure that should not be exceeded at any time during the workday, even if the 8-hour TWA is within the TLV-TWA, REL-TWA, or REL-TWA.

^c**CEIL(C):** The concentration that shall not be exceeded during any part of the working exposure. NIOSH Ceiling – The exposure that shall not be exceeded during any part of the workday. If instantaneous monitoring is not feasible, the ceiling shall be assessed as a 15-minute TWA exposure (unless otherwise specified) that shall not be exceeded at any time during the workday.

^d**OSHA PEL:** Occupational Safety and Health Administration Permissible Exposure Limits.

^e**ACGIH TLV:** American Conference of Governmental Industrial Hygienists, Inc., Threshold Limit Values.

^f**NIOSH REL:** National Institute for Occupational Safety and Health Recommended Exposure Limits.

^g**DFG MAK:** Federal Republic of Germany (DFG), Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area 1999 Maximum Concentration Values in the Workplace (MAKs).

SECTION 3: HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

WARNING:

- **CAUSES SEVERE EYE IRRITATION**
- **CAUSES SEVERE SKIN IRRITATION**
- **DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING**
- **AVOID BREATHING VAPOR OR SPRAY MIST**
- **KEEP OUT OF REACH OF CHILDREN**

Acute Health Hazards

Eye: May cause severe eye irritation.

Skin: May cause severe skin irritation.

Ingestion: Because of low viscosity of this substance, it can directly enter the lungs if it is swallowed (aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

Inhalation: May cause mild respiratory irritation.

Chronic Health Hazards (Including Cancer): This product or any ingredients present 0.1% or more are not listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

Potentially Aggravated Condition: None known.

SECTION 4: FIRST AID MEASURES

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Remove contact lenses if worn. If irritation persists, obtain medical attention.

Ingestion: If swallowed, give water or milk to drink and obtain medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, take patient and this label to the nearest hospital or contact a poison control center.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Obtain medical assistance or contact a poison control center if signs of symptoms such as pain or a feeling of heat, discoloration, swelling and blistering occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Notes to Physician: Treat symptomatically. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Aspiration may cause severe lung damage. Evacuate stomach in a way which avoids aspiration.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Limits in Air (% by volume):		
	Upper:	NDA
	Lower:	NDA
Flash Point:		>93.3°C
	Method Used:	NDA
Autoignition Temperature:		NDA
LEL/UEL:		NDA
NFPA Hazard Classification:		
	Health:	3
	Flammability:	1
	Reactivity:	0
	Other:	NDA
Extinguishing Media:		CO ₂ , dry chemical, foam, water fog
Special Fire Fighting Procedures:		Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. AMIGO® is combustible and containers can build up pressure if exposed to heat (fire).
Hazardous Combustion Products:		Combustion may form toxic vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PHONE NUMBERS

Exposure Calls (PROSAR): 1-866-303-6952 or 1-651-632-8946 (International)

Spill Calls (CHEMTREC): 1-800-424-9300 or 1-703-527-3887

Remove sources of ignition. Absorb spills on inert material such as perlite, vermiculite, sand or dirt, then wet with water. Place in double polyethylene bags. Isolate from other waste materials. Avoid runoff to natural waters.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Keep container closed when not in use to prevent contact with acidic, basic or oxidizing materials. Keep away from sources of ignition, food and feed products. Do not wear contact lenses. Store in a cool, dry location away from incompatible materials. Use only with adequate ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area.

Eye Protection: Monogoggles

Respiratory/Ventilation Requirements: Use an approved pesticide respirator if ventilation is not adequate or exposure to sprays, mists, vapors, or dusts is likely.

Skin Protection: All cleanable impervious glove types are acceptable. Wear shirt with long sleeves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber color
Odor:	NDA
Physical State:	Liquid
pH:	2.46 in 1% water
Boiling Point:	>93.3°C
Melting Point:	NA
Freezing Point	NDA
Vapor Pressure:	NDA
Vapor Density:	NDA
Specific Gravity:	0.935
Evaporation Rate:	NDA
Solubility in Water:	Dispersible
Percent Solids by Weight:	NA
Percent Volatile:	NDA
Volatile Organic Compounds (VOC):	NDA
Molecular Weight:	NDA
Viscosity:	NDA
Corrosion Characteristics:	NDA

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Polymerization will not occur
Incompatibility With Other Materials:	Avoid contact with acidic, basic or oxidizing agents. Avoid contact with metal surfaces.
Hazardous Decomposition Products:	NDA
Impact Explodability:	NDA
Oxidation/Reduction Properties:	NDA

SECTION 11: TOXICOLOGICAL INFORMATION

Acute:

Eye Irritation: Severe eye irritant.

Skin Irritation: Severe skin irritant.

Dermal Toxicity: Dermal LD₅₀ > 5 g/kg (rat)

Oral Toxicity: Oral LD₅₀ > 5 g/kg (rat)

Inhalation Toxicity: Inhalation LC₅₀ > 5.1 mg/L

Skin Sensitization: NDA

SECTION 12: ECOLOGICAL INFORMATION

Environmental Summary: Do not apply directly to water or to areas where surface water is present. Do not contaminate water when disposing of rinse out or equipment wash water. This product is completely dispersible in water.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, provincial and local regulations.

SECTION 14: TRANSPORT INFORMATION

CANADIAN TDG DESCRIPTION (ROAD & RAIL)
Not dangerous for transport by road/rail in Canada.

SECTION 15: REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

This product is registered under the Pest Control Products Act.
AMIGO® Adjuvant: PCP # 22644

WHMIS HAZARD CLASS:
D2B Toxic Materials

SECTION 16: OTHER INFORMATION

Reason for issue:	New MSDS
Prepared by:	Ashley R. Brown
Issue date:	05/13/09
Supersedes date:	NA
MSDS number:	00416

The information in this MSDS is based on data available to us as of the issue date given herein, and believed to be correct. Contact Arysta LifeScience North America LLC at (919) 678-4900 to determine if additional data and information have become available since the issue date.

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