



Issuing Date 08/04/10

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name M63 Medium Broth

Product Code(s) J910

Distributor
AMRESKO INC.
6681 Cochran Road
SOLON, OHIO 44139

Company Phone Number 1-800-829-2805
Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance White, Free-flowing **Physical State** Powder **Odor** No information available

Potential Health Effects

Acute Toxicity

Eyes Irritating to eyes.
Skin Irritating to skin.
Inhalation Irritating to respiratory system.
Ingestion Causes irritation by ingestion.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions None known.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ammonium sulfate	7783-20-2	10-15
Dihydrogen potassium phosphate	7778-77-0	85-90

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact Wash skin with soap and water.
Inhalation Move to fresh air. If breathing becomes difficult, give oxygen.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point Not determined

Suitable Extinguishing Media Use extinguishing media appropriate to surrounding fire conditions.

Hazardous Combustion Products No information available.

Explosion Data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA **Health Hazard -** **Flammability -** **Stability -** **Physical and Chemical Hazards -**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Moisture sensitive. Hygroscopic.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Hygroscopic.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ammonium sulfate 7783-20-2			
Dihydrogen potassium phosphate 7778-77-0			

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles.

Skin and Body Protection

Wear protective gloves/clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Free-flowing	Odor	No information available
Physical State	Powder		
Flash Point	No information available	Autoignition Temperature	No information available
Boiling Point/Range	No information available	Flammability Limits in Air	No information available
Explosion Limits	No information available		
Solubility	No information available	Evaporation Rate	No information available
Vapor Density	No information available.		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong oxidizing agents. Strong acids.
Conditions to Avoid	Protect from moisture. Hygroscopic.
Hazardous Decomposition Products	No information available..
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Irritating to eye, skin and respiratory system.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium sulfate	2000 mg/kg (Rat)		
Dihydrogen potassium phosphate		4640 mg/kg (Rabbit)	

Chronic Toxicity

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Ammonium sulfate		LC50 460 - 1000 mg/L Leuciscus idus 96 h LC50= 18 mg/L Cyprinus carpio 96 h LC50= 250 mg/L Brachydanio rerio 96 h LC50> 100 mg/L Pimephales promelas 96 h		EC50 = 14 mg/L 48 h EC50 = 423 mg/L 24 h

Chemical Name	Log Pow
Ammonium sulfate	= -5.1 25 °C

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging Dispose of in accordance with all federal, state and local regulations.

Chemical Name
Ammonium sulfate - 7783-20-2
Dihydrogen potassium phosphate - 7778-77-0

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - U Series Wastes
Ammonium sulfate - 7783-20-2					
Dihydrogen potassium phosphate - 7778-77-0					

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Ammonium sulfate	7783-20-2	10-15	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ammonium sulfate	X	X	X		X

International Regulations

Mexico - Grade No information available.

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Issuing Date 08/04/10

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Revision Note

No information available.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS