



Material Safety Data Sheet

MATRIX NUTRITION

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Feed Grade Glycerin **Product Code:** CGL-300
Product Use: Animal Feed Grade Glycerin
Issue Date: September 21, 2009 **Supersedes Date:** July 30, 2009
Manufacturer's [U.S.A]: Matrix Nutrition LLC **24-Hour Emergency Phone Numbers**
Name/Address: 4120 N. 38th Drive Phoenix: (602) 885-0325
Phoenix, AZ 85019 **CHEMTREC: (800) 424-9300**

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

No specific warnings for normal use conditions.

Potential Health Effects

Eyes: Eye contact with liquid product may cause irritation.

Skin: Prolonged or repeated contact with liquid product may cause irritation.

Inhalation: Low hazard for usual industrial handling. Inhalation of a mist of this material may cause respiratory tract irritation.

Ingestion: Not an anticipated route of exposure. Small amounts may cause gastrointestinal irritation.

Chronic: No anticipated chronic effects.

Target Organs: No data found.

Caution! May cause eye, skin, and respiratory tract irritation. This is expected to be a low hazard for usual industrial handling.

Regulated Carcinogen Status

This product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Existing Health Conditions Status

No known effects on other illnesses.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not "hazardous" per the OSHA standard.

<u>TLV</u>	<u>Component</u>	<u>CAS#</u>	<u>%(BY WEIGHT)</u>	<u>OSHA PEL</u>	<u>ACGIH</u>
	Glycerin 10mg/m ³ TWA	56-81-5	80%	15mg/m ³ TWA	



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SECTION 4 FIRST AID MEASURES

Eyes: Flush immediately with water for 15 minutes. Consult a physician if irritation persists.

Skin: Wash affected area with soap and water for 15 minutes. Launder contaminated clothing before reuse.

Inhalation: Remove subject to fresh air.

Ingestion: Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point/Method: 199°C (390°F) (National Fire Protection Association, Fire Protection Guide to

Hazardous Materials, 13 ed., 2002)

Upper Explosive Limit/Lower Explosive Limit: Lower: 0.9%

Auto ignition Temperature: 370°C (698°F) (NFPA Fire Protection Guide to Hazardous Materials, 13th ed., 2002; NIOSH ICSC, 2001; CHRIS, 2001)

Extinguishing Media: Use water spray to cool fire-exposed containers. Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Hazardous Combustion Products: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

NFPA Rating (estimated): Health: 1; Flammability: 0; Instability: 0

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

Unusual Fire and Explosion Hazards: There is the possibility of pressure build-up in closed containers when heated. Water spray may be used to cool the containers.

SECTION 6 ACCIDENTAL RELEASE NUMBERS

Personal Precautions: Wash hands with soap and water.

Land Spill: Control spills with acceptable methods established by Local, State and Federal Government agency. Ventilate area of leak or spill. Clean-up personnel may require protective clothing. Absorb liquid spill with dry absorbent. Containerize material for disposal in an approved waste facility. Remove sources of ignition and contain spill to smallest area possible. Stop leak if possible. Recover large spills for salvage or disposal. Wash surface with solvent or detergent.

Water Spill: Control spills with acceptable methods established by Local, State and Federal Government agency.



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SECTION 7 HANDLING AND STORAGE

Handling: Wear appropriate protective equipment when working with this product. Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before use.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Avoid temperature extremes in storage.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Eye/Face Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eyewashes available where eye contact can occur.

Skin Protection: Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Not normally required. Use NIOSH/OSHA approved respirator if conditions warrant.

Ventilation: General dilution ventilation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light to dark yellow clear liquid
Odor:	Light musty odor
Specific Gravity:	1.26
% Volatile by Weight:	0 @ 21° C
Boiling Point:	290 C (554 F) @ 760 mm Hg

SECTION 10 STABILITY AND REACTIVITY

Stability:	Stable
Incompatible Materials:	Not established
Hazardous Decomposition Products:	Not established
Hazardous Polymerization:	Will not occur



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SECTION 11 TOXICOLOGICAL INFORMATION

Reported Human Effects: N/A

Reported Animal Effects: N/A

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: N/A

Chemical Fate Information: N/A

SECTION 13 DISPOSAL CONSIDERATIONS

All recovered material should be packed, labeled, transported, and disposed or reclaimed in conformance with good engineering practices. Reclaim where possible. Consult state, local or federal regulations for more restrictive requirements.

SECTION 14 TRANSPORT INFORMATION

Shipment in the United States of America (DOT): N/A

Shipment by water (IMO): N/A

Shipment by air (ICAO & IATA): N/A

Shipment in Canada (TDG): N/A

Special Remarks: Listed in TSCA inventory

SECTION 15 REGULATORY INFORMATION

TSCA: CAS# 56-81-5 is listed on the TSCA inventory.

CERCLA (RQ): None of the chemicals in this material have an RQ.

SARA Title III: Not Listed

SECTION 16 OTHER INFORMATION

HMIS® Rating: Combustible but Not Hazardous

NFPA 704 Rating: N/A

BE SAFE, READ OUR PRODUCT SAFETY INFORMATION BEFORE USING, AND PASS IT ON. Product liability law requires it. The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. The manufacturer provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use.