

MATERIAL SAFETY DATA SHEET

14-7-14 with 50% Slow Release Nitrogen

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company : Growth Products, Ltd.
P.O. Box 1252
White Plains, NY 10602
Phone Number: 800-648-7626
Chemical Name / Common Name: Liquid Fertilizer Solution

Section 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS: None. This product does not require labeling.

Section 3 - PHYSICAL DATA

Physical State:	Thick Liquid Solution	Evaporation Rate:	Same as Water
Color:	Dark Red	Boiling Point:	Same as Water
Odor:	Organic Sweet Smell	Freezing Point:	20 Degrees F
Weight Per Gallon	11.31# @ 21C	Viscosity:	1 - 10 cps @ 21 Degrees C
Storage Life at 70F:	>2 Years	Flash Point/Method:	Noncombustible
pH - 21C:	10	Vapor Pressure:	N/A
Solubility:	Completely Miscible		

Section 4 - FIRE AND EXPLOSION HAZARD

Explosion Properties:	Noncombustible
Flammable Limit:	LEL: N/A UEL: N/A
Extinguishing Media:	Does Not Burn
Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards:	None

Section 5 - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE ACUTE (SHORT TERM EXPOSURE):

Liquid contact may cause slight eye irritation and repeated skin exposure may cause some skin irritation

CHRONIC (LONG TERM EXPOSURE):

None known

Section 6 - Emergency and First Aid Procedures

INHALATION: Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose, throat and lungs.

EYE CONTACT: May cause irritation on prolonged or repeated contact

SKIN CONTACT: May cause irritation on prolonged or repeated contact

Section 7: TOXICITY INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

DERMAL LD₅₀: N/E

ORAL LD₅₀: N/E

Read Next Page
8/5/2003

ACUTE TOXICITY (IRRITATION, SENSITIZATION)

EFFECTS TO EYES: No corneal or iridal effects were noted at a dose of 0.1 ml for rabbits

EFFECTS TO INGESTION: Non toxic or pathogenic

EFFECTS TO SKIN: Moderate irritation, reversible within 7 days

CARCINOGENICITY DATE: N/A

Section 8: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/A

HAZARDOUS DECOMPOSITION PRODUCTS OF DRY MATERIAL: CO, CO₂, NH₃, Aldehydes (including Formaldehyde), particulate matter and other organic compound

HAZARDOUS POLMERIZATION: Will not occur

Section 9: SPECIAL PROTECTION INFORMATION

PROTECTIVE GLOVES: Gloves

EYE PROTECTION: Use of goggles if contact likely

OTHER PROTECTION: N/A

RESPIRATORY PROTECTION OR REQUIRED VENTILATION:
Not normally needed. Where air contaminants can exceed acceptable criteria use NIOSH/MSHA approved respiratory protection equipment.

Section 10 – SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Prevent product from entering drinking water supplies. Collect liquid and solidify with absorbent material and package for disposal according to local, state, and federal regulations.

WASTE DISPOSAL PRECEDURES:
This product is likely to have a pH less than 8.5 and would not be considered a federal hazardous waste according to EPA regulation 40CFR 261. Dispose in accordance with state and local regulation.

REPORTABLE QUANTITY UNDER CERCLA: N/A

Section 11 – STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE:
MAX 100° F MIN 32° F INDOOR ✓ OUTDOOR X REFRIG. X

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Not harmed by freezing. Thaw frozen fertilizer slowly and stir before using. Store in a cool place. Rotate stock in storage to use oldest first.

OTHER PRECAUTIONS:
Read entire label before using

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ABBREVIATIONS: N/E – NOT ESTABLISHED N/A – NOT APPLICABLE

MATERIAL SAFETY DATA SHEET

PRODUCT: Lead Free Gloss Glaze (Copper)

Product Code: LG Series (2)

Manufacturer's Name: American Art Clay Co., Inc.
4717 West 16th Street
Indianapolis, IN 46222

Information Number: (800) 374-1600

Emergency Number: (800) 374-1600

Section I – Product Identification

Product Name: Gloss Glazes
(Copper)

Product Class: Ceramic Glazes

Product Size: 16 oz., 1 lb., gal

LG 2, 25, 26, 27, 45, 46

Section II – Hazardous Ingredients

Reportable Components

CAS#

Vapor Pressure
Mm Hg @ Temp

Weight
Percent

Copper Carbonate

7492-68-4

Copper: ACGIH TLV 1mg/M3, OSHA PEL 1mg/M3 @ CU

Carries the "HL/CL" Seal. Labeling conforms to ASTM D4236. Contains Copper. Refer to Section VI.

Section III- Physical / Chemical Characteristics

Boiling Range: NA

Specific Gravity (H2O=1): Less than 2

Vapor Density: Heavier than air.

Evaporation Rate: NA

Coating V.O.C.: NA

Material V.O.C.: NA

Appearance and Odor: Liquid / Dry

Section IV – Fire and Explosion Hazard Data

Flash Point: NA

Method Used: NA

Flammable Limits In Air By Volume: NA - Lower NA - Upper

Extinguishing Media: NA

Special Firefighting Procedures: No fire hazard.

Unusual Fire and Explosion Hazards: No fire hazard.

Section V – Reactivity Data

Stability: Stable

Conditions to Avoid: None.

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or Byproducts: Will not occur.

Hazardous Polymerization: Will not occur

Section VI – Health Hazard Data

Inhalation Health Risks and Symptoms of Exposure: None.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Eye – rinse eyes thoroughly with water for 15 minutes. If irritation persists contact physician. Skin – wash hands with soap and water after use..

Ingestion Health Risks and Symptoms of Exposure: May be harmful if swallowed. Exposure may cause damage to the kidneys, liver or anemia. If swallowed get prompt medical attention.

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be ASPW-S
suited for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

Acrylic Synthetic Floor Sealer

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name KANSAS CORRECTIONAL INDUSTRIES	Emergency Telephone Number CHEMTREC # 800-424-9300
Address (Number, Street, City, State, and ZIP Code) KANSAS DEPARTMENT OF CORRECTIONS	Telephone Number for Information 913-727-3249
POST OFFICE BOX 2	Date Prepared September 30, 1987
LANSING, KANSAS 66043	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
AMMONIA	25 ppm	25 ppm	35 ppm STEL	<1

N.A. = not applicable or not available

STEL = single time exposure limit

Section III — Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H ₂ O = 1)	1.0
Vapor Pressure (mm Hg)	<20	Melting Point	N.A.
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	<1

Solubility in Water

DISPERSIBLE

Appearance and Odor

MILKY WHITE LIQUID; SLIGHT ACRYLIC ODOR

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	>200°F TCC	Flammable Limits	LEL N.A.	UEL N.A.
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Extinguishing Media: Water, foam, and dry chemical extinguishing media may be used to neutralize fires involving this product.

Special Fire Fighting Procedures: Firefighters must wear self-contained breathing apparatus with full facepiece operated in pressure demand or positive pressure

mode. Avoid allowing run-off from fire control to contaminate public waterways. Use water to cool containers to prevent possible rupture.

Usual Fire and Explosion Hazards: Residues from incomplete burning of this material are minimally capable of supporting combustion. Dusts are not expected

to be capable of forming explosive mixtures with air but normal precautions should be followed when clearing any fire debris.

(Reproduce locally)

OSHA 174, Sept. 1985

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	KEEP CONTAINERS CLOSED WHEN NOT IN USE
	Stable	XXX		

Incompatibility (Materials to Avoid)

ORGANIC SOLVENTS, ACIDS AND OXIDIZING AGENTS

Hazardous Decomposition or Byproducts

CARBON MONOXIDE, SMOKE, DUST

Hazardous Polymerization	May Occur		Conditions to Avoid	CONTACT WITH ACIDS
	Will Not Occur	XXX		

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	YES	Skin?	YES	Ingestion?	POSSIBLE
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Health Hazards (Acute and Chronic)				EYES: irritation and burning. SKIN: possible irritation, defatting and dermatitis. INGESTION: may cause gastrointestinal disturbances, nausea and headache.	
				IMHALATION: irritation to the respiratory tract; effects like ingestion.	
				Chronic effects from vapor exposure and irritation include ingestion and inhalation effects; primarily dermatitis.	
Carcinogenicity:		NTP?	NOT LISTED	IARC Monographs?	NO
				OSHA Regulated?	NO

Signs and Symptoms of Exposure		EYES: redness and watering of eyes. SKIN: redness and irritation; possibly contact dermatitis. INGESTION: possibly nausea, cramps, vomiting; other stomach and intestinal disturbances.			
		IMHALATION: severe irritation, possibly coughing or sneezing.			
Medical Conditions		EYES: conjunctivitis and prior irritation. SKIN: generally aggravated by exposure dermatitis; see ingestion. INGESTION: any gastro-intestinal disorder; any blood, liver/kidney condition; sore throat from colds or influenza infections. IMHALATION: any prior condition.			
Emergency and First Aid Procedures		EYE CONTACT: remove contact lenses, if worn; rinse eyes with water holding eyelid open. SKIN CONTACT: if worn; rinse skin with water. INGESTION: drink large amounts of water. IMHALATION: remove to fresh air. If exposure was severe CONTACT A PHYSICIAN IMMEDIATELY.			

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	USE ABSORBANT. CONTAIN SPILLS
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SUCH THAT MATERIAL DOES NOT ENTER PUBLIC WATERWAYS THROUGH STORM SEWERS OR LANDFILL RUNOFF. USE PERSONAL PROTECTIVE DEVICES TO AVOID CONTACT.

Waste Disposal Method	DILUTE RINSE WATER SHOULD BE HANDLED BY A LICENSED TREATMENT FACILITY. SOLID WASTE IS PREFERABLY INCINERATED.
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Precautions to Be Taken in Handling and Storing	AMMONIA VAPORS MAY ACCUMULATE IN HEAD SPACE OF CONTAINERS. USE CAUTION WHEN OPENING.
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Other Precautions	THIS MATERIAL MAY BE HARMFUL TO AQUATIC LIFEFORMS DUE TO ITS ORGANIC CONTENT.
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Section VIII — Control Measures

Respiratory Protection (Specify Type)	NIOSH APPROVED ORGANIC/AMMONIA VAPOR RESPIRATOR
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Ventilation	Local Exhaust	NORMAL	Special	NORMAL
	Mechanical (General)	NORMAL	Other	N.A.

Protective Gloves	RUBBER OR EQUIVALENT	Eye Protection	CHEMICAL GOGGLES
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Other Protective Clothing or Equipment	EYEWASH STATION SHOULD BE WITHIN DIRECT ACCESS
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Work/Hygienic Practices	WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOT.
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