

MATERIAL SAFETY DATA SHEET

Great Lakes – Bunzl Processor Division

1524 Vernon Street
North Kansas City, MO 64116
Phone: 816-448-4300

Reference No. 12107

GL-80 GL-40

GL-34 GL-36

Manufactured by:
AtLasta Specialty Ink Co., Inc.
4600 South Square Dr.
High Ridge, MO 63049
(636) 677-5353

HAZARD RATINGS

Minimal	0		
Slight	1	HEALTH	1
Moderate	2	FLAMMABILITY	0
Serious	3	REACTIVITY	0
Severe	4		

Date of Revision: 01-03-13

Emergency Ph. Call CHEMTREC 800-424-9300

1. PRODUCT IDENTIFICATION

Product Classification: A Specially Denatured Alcohol solution of Water, FD&C Colors and Food Grade Resins

Manufacturers Identification: Great Lakes Stamping and Branding Inks:

GL-80 Purple (319978121) ; GL-40 Red; GL-34 Perma-Brite Green; and GL-36 Blue(31990036)
Economy Meat Branding and Marking Ink.

Chemical Name: Mixture, not applicable

Synonyms: Water and Specially Denatured Alcohol mixture

Molecular Formula: Mixture, not applicable

Molecular Weight: Mixture, not applicable

2. COMPOSITION/INFORMATION ON INGREDIENTS

Specially Denatured Alcohol Solution of Water, FD&C Colors, and Food Grade Resins

Weight %	Component - (CAS Registry No.)
<40	ethanol (64-17-51)
<5	acetone (67-64-11)
5	FD&C Colors
5	Food Grade Resins
Remainder	water (7732-18-5)

3. HAZARDS IDENTIFICATION:

HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION OF THE EYES OR RESPIRATORY TRACT

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION.

HMIS Hazard Ratings: Health - 1, Flammability - 0, Chemical Reactivity - 0

NFPA Hazard Ratings: Health - 1, Flammability - 0, Chemical Reactivity - 0

NOTE: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Get Medical attention.

Skin: Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion: Seek medical advice.

5. FIRE FIGHTING MEASURES

None expected, product will not support combustion.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Dilute with water. Prevent runoff from entering drains, sewers, or streams.

7. HANDLING AND STORAGE

Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing high vapor concentrations. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep away from heat, sparks, and flame. Use only with adequate ventilation. Keep from contact with oxidizing materials. Comply with all national, states, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

Storage: Keep container tightly closed. Keep container in a safe, well-ventilated location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

AGGIH Threshold Limit Value (TLV)

Ethanol: 1000 ppm TWA

Acetone: 750 ppm TWA; 1000 ppm STEL

OSHA (USA) Permissible Exposure Limit (PEL, 1989 Table Z-1-A values or Section-specific standards):

Ethanol: 1000 ppm TWA

Acetone: 750 ppm TWA; 1000 ppm STEL

Ventilation: Good general ventilation (typically 10 air changes per hour should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other-engineering controls to maintain airborne levels below recommended exposure limits.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Aspirator type: organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: For operations where prolonged or repeated skin contact may occur. Chemical-resistant gloves should be worn. Contact the manufacturer for specific information.

Recommended Decontamination Facilities: eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical Form: liquid
- Color: Highly colored liquid depending on product.
- Odor: Characteristic alcohol type odor.
- Odor Threshold: not available

- Specific Gravity at 22°C (72°F) water = 1): 0.79
- Vapor Pressure at 20°C (68°F): 237.6 mbar (180 mm Hg) - Data for acetone
- Vapor Density (Air = 1): 1
- Evaporation Rate: not available
- Boiling Point: 100°C (212°F) - estimated
- Melting Point: not available
- Viscosity: not available
- Solubility in Water: Miscible
- pH: not available
- Octanol/Water Partition Coefficient: not available
- Flash Point (Tag closed cup): Will not support combustion
- Lower Explosive Limit at 25°C (77°F): 2.8 volume % - Data for acetone
- Upper Explosive Limit of 24°C (75°F): 13.2 volume % - Data for acetone
- Autoignition Temperature (ASTM D 2155): 404°C (760°F) - Data for ethanol
- Sensitivity to Mechanical Impact: insensitive
- Sensitivity to Static Discharge: Material is unlikely to accumulate a static charge, which could act as an ignition source

10. STABILITY AND REACTIVITY

Stability: stable

Incompatibility: Material can react violently with strong oxidizing agents

Hazardous Polymerization: will not occur

11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

General: Extensive human experience and animal data indicate that acetone is of low toxicity. However, ingestion of very large amounts or inhalation of extremely high vapor concentrations can cause irritation, nausea, vomiting, confusion, drowsiness, convulsions, and coma with possible liver and kidney injury.

Inhalation: High vapor concentrations may cause drowsiness and irritation.

Eyes: Causes irritation. High vapor concentrations may cause irritation.

Skin: Prolonged or repeated contact may cause drying, cracking, or irritation. Contains: ethanol. This material has a low potential to cause allergic skin reactions; however, cases of human skin sensitization have been reported.

Ingestion: Expected to be a low ingestion hazard.

Toxicity data for the components or this product are contained in individual material safety data sheets, which are available on request.

12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects. Data for the components of this product are contained in individual material safety data sheets, which are available on request.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Mix with compatible chemical, which is less flammable, and incinerate.

Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

14. TRANSPORT INFORMATION

- DOT (USA) Status: Non-regulated
- Air - International Civil Aviation Organization (ICAO)
- ICAO Status: Non-regulated
- Sea - International Maritime Dangerous Goods (IMDC)
- IMDC Status: Non-regulated

15. REGULATORY INFORMATION

- This document has been prepared in accordance with the OSHA Hazard Communication
- OSHA hazardous chemical(s): ethanol, acetone
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1988 with the MSDS requirements, R 1910.1200 (1988): material(s) known to the State to cause cancer: none
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): material(s) Known to the State to cause adverse reproductive effects: ethanol, acetone
- Massachusetts Hazardous Substance List: Ethanol, acetone
- New Jersey Workplace Hazardous Substance List: ethanol, acetone
- Pennsylvania Hazardous Substance List: ethanol, acetone

- This document has been prepared in accordance with the MSDS requirement of the WHMIS Controlled Products Regulation.
- WHMIS (Canada) Ingredient Disclosure List: ethanol, acetone
- WHMIS (Canada) Status: controlled
- WHMIS (Canada) controlled material(s); ethanol, acetone
- WHMIS (Canada) Hazard Classification: B/2, B/2/B

- Carcinogenicity Classification (components present at 0.1% or more):
- International Agency for Research on Cancer (IARC): not listed
- American Conference of Governmental Industrial Hygienists (ACGIH): not listed
- National Toxicology Program (NTP): not listed
- Occupational Safety and Health Administration (OSHA): not listed

- Chemicals subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: none
- SARA (U.S.A.) Sections 311 and 312 hazard classifications: fire hazard, immediate acute) health hazard

- US Toxic Substances Control Act (TSCA): All components of this product are listed on the TSCA inventory or otherwise comply with TSCA pre-manufactures notification requirements.

- Canadian Environmental Protection Act (CEPA) and Domestic Substances List (DSL): All components of this product are listed on the DSL or otherwise comply with CEPA new substance notification requirements.

- European Inventory of Existing Commercial Chemical Substances (EINECS): All components of this product are listed by EINECS or have been approved in the European Union by new substance notification.

- Australian Inventory of Chemical Substances (AICS) and National Industrial Chemicals Notification and Assessment Scheme (NICNAS): All components of this product are listed on AICS or otherwise comply with NICNAS.

16. OTHER INFORMATION

Label Statements:

WARNING:

HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION OF THE EYES OR RESPIRATORY TRACT

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION

Keep away from heat, sparks, and flame.

Avoid contact with eyes and prolonged or repeated contact with skin.

Avoid breathing high vapor concentrations.

Keep container tightly closed.

Use only with adequate ventilation.

Wash thoroughly after handling.

FIRST AID: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. In case of skin contact, wash skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before wearing them. Destroy or thoroughly clean contaminated shoes. If inhaled, move to air. Treat symptomatically. Get medical attention if symptoms persist.

IN CASE OF FIRE: Use water spray, dry chemical, carbon dioxide (CO₂), alcohol foam.

IN CASE OF SPILL: Prevent runoff from entering drains, sewers, and streams.

Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

Additional Information

This product contains ethyl alcohol that has been denatured by the addition of additive(s) to render the alcohol unfit for human consumption. Therefore, this product should not be used as an alcoholic beverage. Consumption of alcoholic beverages is a risk factor for human cancer (IARC Class I) and birth defects.

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.