



# Safety Data Sheet

**D00211-BLACK ETHANOL INK 1 GAL.**

## Section 1. Identification

Product Identifier D00211-BLACK ETHANOL INK 1 GAL.  
Synonyms Black Ethanol DOD Ink  
Manufacture Stock Numbers N/A

Recommended use Printing  
Uses advised against N/A

Manufacturer Contact  
Address ZANASI USA  
9490 Hemlock Lane North  
Maple Grove, MN, 55369  
HENNEPIN

Phone  
(763) 593-1907

Emergency Phone Fax  
(800) 424-9300 (763) 593-1941  
CHEMTREC 24  
HOUR ER LINE

## Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2B  
FLAMMABLE LIQUIDS - Category 3  
SKIN CORROSION/IRRITATION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word Danger

Pictogram



Hazard Statements Causes eye irritation  
Causes skin irritation  
Flammable liquid and vapor  
May cause respiratory irritation; or May cause drowsiness or dizziness

Precautionary Statements

Response	<p>Call a poison center/doctor/ ... /if you feel unwell.          If eye irritation persists: Get medical advice/attention.          If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.          If inhaled: Remove person to fresh air and keep comfortable for breathing.          If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.          If skin irritation occurs: Get medical advice/attention.</p>
Prevention	<p>Avoid breathing dust/fume/gas/mist/ vapors/spray.          Ground/bond container and receiving equipment.          Keep away from heat.          Use explosion-proof electrical/ventilating/lighting/.../equipment.          Wear protective gloves/eye protection/face protection</p>
Storage	Store in a well-ventilated place. Keep container tightly closed.
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	<p>INHALATION: Excessive inhalation may cause irritation of the nose and respiratory tract and Central Nervous System effects such as headache, dizziness, and drowsiness. EYE CONTACT: May cause irritation, redness, tearing, blurred vision. SKIN CONTACT: May cause mild irritation, defatting of the skin and dermatitis. INGESTION: Can cause drunkenness and mental sluggishness, gastrointestinal irritation, nausea and vomiting, diarrheas, dizziness. CHRONIC: Contains no materials listed as cancer causers by NTP, IARC, or OSHA. Long term overexposure may cause liver damage, anemia, reproductive effects.</p> <p>No Data Available</p>

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	60% - 100%

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

INHALATION	Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
EYE CONTACT	Eye Contact: Flush with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.
SKIN CONTACT:	Wash with soap and water. Remove contaminated clothing.
INGESTION:	Get medical attention immediately. Do not induce vomiting.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Alcohol foam, dry Chemical, CO2
Unsuitable Extinguishing Media	N/A
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Extremely flammable liquid and vapor. Vapor may cause flash fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.
Flash Point:	56F (13C) Method: TCC- Flammable limits: 3.53 to 21.2% vol. in air
Hazardous Combustion Products:	CO, CO2

## Section 6. Accidental Release Measures

Spill Procedure:	Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (i.e., vermiculite, dry sand, and earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. DO NOT FLUSH TO SEWER! If leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.
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## Section 7. Handling and Storage

Precautions to be taken in handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tool and explosion proof equipment. Avoid contact with eyes, skin and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Avoid breathing vapor.
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## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethyl alcohol	1000	1000	N/A
Personal Protective Equipment	N/A			
RESPIRATORY PROTECTION:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirement must be followed whenever workplace conditions warrant a respirators use.			
Skin Protection:	Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact. Check with your safety supplier for the proper chemical-resistant gloves.			
VENTILATION SYSTEM:	A system of local and or general exhaust is recommended to keep employee exposures below the Airborne exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into general work area. Use explosion-proof equipment.			
EYE PROTECTION:	Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick drench facilities in work area.			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Black
Odor	Alcohol
Odor Threshold	N/A
Solubility	APPRECIABLE
Partition coefficient Water/n-octanol	N/A
Viscosity	N/A
Specific Gravity	0.79
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	173F-181F
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	1.6 (Air=1)

## Section 10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]  
Conditions to Avoid: Heat, flames, sparks, ignition sources and incompatibles.  
Hazardous decomposition or byproducts: Carbon monoxide, carbon dioxide.  
Hazardous polymerization: Will Not Occur.

## Section 11. Toxicological Information

Toxicological Information: Ethyl Alcohol: LD50 7.06g/kg (oral, rat) LC50 20,000 ppm (10H, rat).

## Section 12. Ecological Information

Ecological Information: None available on this product.

## Section 13. Disposal

Disposal Considerations: See Section 6. Waste materials would be considered Code D001 (Characteristic- Ignitability)

## Section 14. Transport Information

UN Number 1210  
UN Proper Shipping Name UN1210, PRINTING INK, CLASS 3, PG II  
DOT Classification 3  
Packing Group PG II  
IATA Regulations: Proper Shipping-UN1210, Printing Ink, 3, PGII  
Label Required: Flammable

## Section 15. Regulatory Information

Regulatory Information: EPCRA (SARA) Sec.313 Reportable Materials:None TSCA: All components are listed in the TSCA Inventory.

## Section 16. Other Information

Revision Date 8/15/2014  
HMIS Hazard Ratings: Health - 2; Fire - 3; Reactivity - 0; PPE- Goggles & Shield; Apron; Vent Hood; Proper Gloves; Fire Extinguisher  
Disclaimer: The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user's responsibility to determine suitability of use. No warranty, expressed or implied, is made and ZANASI USA assumes no legal responsibility or liability resulting from its use. Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.