



# Safety Data Sheet

## ETCLN5-ETHANOL CLEANING SOLVENT 5 GAL.

### Section 1. Identification

Product Identifier ETCLN5-ETHANOL CLEANING SOLVENT 5 GAL.  
Synonyms Ethanol Cleaning Solvent  
Manufacture Stock Numbers N/A

Recommended use Ethanol based Ink removal  
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 Warning

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 on skin: Wash with plenty of water/ ...          If skin irritation occurs: Get medical advice/attention.          In case of fire: Use ... to extinguish.          Take off contaminated clothing and wash it before reuse.</p>
Prevention	<p>Avoid breathing dust/fume/gas/mist/ vapors/spray.          Ground/bond container and receiving equipment.          Keep away from heat.          Keep container tightly closed.          Take precautionary measures against static discharge.          Use explosion-proof electrical/ventilating/lighting/.../equipment.          Use only non-sparking tools.          Use only outdoors or in a well-ventilated area.          Wash ...thoroughly after handling.          Wear protective gloves.          Wear protective gloves/eye protection/face protection</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.          Store in a well-ventilated place. Keep cool.          Store locked up.</p>
Disposal	<p>Dispose of contents/container to ...</p>
Ingredients of unknown toxicity	<p>0%</p>
Hazards not Otherwise Classified	<p>EYE CONTACT: May cause eye irritation. Direct contact may cause burning, tearing and redness. SKIN CONTACT: May cause skin irritation. Prolonged and repeated exposure may cause redness and burning, drying and cracking of the skin and dermatitis. INHALATION: Exposure to vapors or mist may cause: Irritation of the nose and throat, signs of nervous system depression, irregular heartbeats. Persons with impaired lung functions or asthma-like conditions may experience breathing difficulties. INGESTION: Ingestion of excessive quantities may cause: Irritation of the digestive tract, signs of nervous system depression. Aspiration Hazard- this material can enter the lungs during swallowing or vomiting and cause lung inflammation and damage.</p> <p>No Data Available</p>

<b>Section 3. Ingredients</b>
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CAS	Ingredient Name	Weight %
108-10-1	Methyl Isobutyl Ketone	1.02% - Max
67-56-1	Methanol CP	4.3% - Min
64-17-5	Ethanol	94% - Max

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

## Section 4. First-Aid Measures

Eye Contact:	If irritation or redness from exposure to vapors develops, move victim from exposure and into fresh air. For direct contact, flush eyes with clean water. Seek medical help.
Skin Contact:	Remove contaminated clothing. Cleanse affected areas by washing with mild soap and water. If irritation persists, seek medical attention.
Inhalation:	Move victim into fresh air. If symptoms of exposure develop, seek medical attention. If victim is not breathing, artificial respiration should be administered. Seek immediate medical attention.
Ingestion:	***SEEK IMMEDIATE MEDICAL ATTENTION*** Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to help prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Dry chemicals, CO <sub>2</sub> , or Foam. Water may be ineffective and spread fire.
Unsuitable Extinguishing Media	N/A
Hazardous Decomposition:	May form toxic materials: carbon dioxide and carbon monoxide, various hydrocarbons, etc.
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.

## Section 6. Accidental Release Measures

Precautions incase of spill:	Stay up wind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area of spill. Foam, especially high expansion foam, may be used to sppress vapors. Keep out of drains, sewers and waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water. For small spills, do not flush with water; use absorbent pads. Call spill response team if large spill. Notify appropriate State/Local agencies. If spill in excess of EPA reportable quantity, immediately notify the National Response Center (800-424-8802).
Highway or railway spills:	Call CHEMTREC (800) 424-9300 Cont. U.S. (Collect) (202) 483-7616 from Alaska and Hawaii

## Section 7. Handling and Storage

Handling and Storage Precautions:	Keep container tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. Empty containers retain residue (liquid and/or vapor) and can be dangrous. Do not pressurize, cut, weld, solder, braze, drill, grind or expose containers to heat, flame, sparks, or other sources of ignition: They may explode.
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## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Methyl Isobutyl Ketone	N/A	N/A	N/A
	Methanol CP	200	5000	N/A
	Ethanol	1000	1000	N/A
Personal Protective Equipment	Goggles, Gloves, Apron			
Ventilation:	If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation may be required. Where explosive mixtures may be present, systems safe for such locations should be used.			
Respiratory Protection:	Appropriate respiratory protection is required when exposure to airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA part 1910.134 and manufacturer's recommendations.			
Skin Protection:	Wear impervious gloves if hand contact is anticipated.			
Eye Protection:	Chemical splash goggles should be used when working with chemicals.			
Other Protective Equipment:	It is suggested that an NIOSH approved eyewash be available in work areas for flushing eyes and skin. Impervious clothing should be worn as needed.			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear
Odor	Alcohol
Odor Threshold	N/A
Solubility	N/A
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	55F
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	147F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	1.60
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	96.00
Vapor Density	N/A

## Section 10. Stability and Reactivity

Stability:	Unstable [ ] Stable [X]
Incompatibility:	(Materials to Avoid): This product is incompatible with strong acids or bases, oxidizing agents and selected amines.
Hazardous Decomposition Products:	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.
Hazardous polymerization:	Will Not Occur.

## Section 11. Toxicological Information

Toxicological Information:	No toxicity studies have been conducted on this product. As with all chemicals for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.
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## Section 12. Ecological Information

Environmental Toxicity:	The Ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. Do not discharge product to the environment.
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## Section 13. Disposal

Waste Disposal Method:	Recovered and non-usable material may be regulated as a hazardous waste due to its ignitability and/or its toxic characteristics. It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations. State and/or local regulations may be more restrictive.
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## Section 14. Transport Information

UN Number	1170
UN Proper Shipping Name	UN1170, ETHANOL, CLASS 3, PG II, FLAMMABLE LIQUID.
DOT Classification	3
Packing Group	II
IATA Regulations:	Proper shipping name: UN1170, ETHANOL, CLASS 3, PG II, FLAMMABLE LIQUID.
Label Required:	Flammable

## Section 15. Regulatory Information

HMIS Hazard Rating:	Health- 2; Fire- 3; Reactivity- 0; PPE- Goggles & Shield; Apron; Vent Hood; Proper Gloves; Fire Extinguisher
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## Section 16. Other Information

Revision Date

8/18/2014

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.