

**Section 1 – PRODUCT AND COMPANY INFORMATION**

<b>Product Name:</b>	Ethylene Oxide Indicating Ink
<b>Product Family:</b>	IEVG-01and IEVG-02
<b>Recommended Use:</b>	Production of chemical indicators intended for monitoring Ethylene Oxide sterilization processes
<b>Restrictions on Use:</b>	Not applicable for food contact materials
<b>Company:</b>	True Indicating, LLC.
<b>Address:</b>	946 Kane St., Toledo, Ohio 43612
<b>Technical Phone:</b>	248-982-6492
<b>Emergency Phone:</b>	419-476-7119
<b>Fax:</b>	Not Applicable

**Section 2 - HAZARDS IDENTIFICATION**

<b>GHS Classification Category in accordance with 29 CFR 1920.1200 (OSHA HCS) and Regulation (EC) No 1272/2008 (CLP):</b>	Skin	Eye	Skin Sensitization
	Category 2 (OSHA and CLP)	Category 2A (OSHA Category 2 (CLP)	Category 1 (OSHA and CLP)
<b>Pictogram:</b>			
<b>Signal Word:</b>	Warning	Warning	Warning
<b>Hazard Statement:</b>	Causes skin irritation	Causes serious eye irritation	May cause an allergic skin reaction
<b>Precautionary Statement Prevention:</b>	Wash after handling. Wear protective gloves/eye protection/face protection. Avoid breathing vapors. Contaminated work clothing must not be taken outside workplace.		
<b>Precautionary Statement Response:</b>	If on skin: wash with copious amounts of water If skin irritation/rash occurs: obtain medical advice/attention Take off contaminated clothing and wash before reusing If in eyes, rinse with water for 15 minutes. Remove any contact lenses and continue rinsing. If eye irritation continues, obtain medical advice/attention		
<b>Precautionary Statement Storage:</b>	None		
<b>Precautionary Statement Disposal:</b>	Dispose in accordance with all federal, state, provincial, and local regulations. This material does not meet the criteria of a hazardous waste as defined by the Resources Conservation and Recovery Act (RCRA) 40 CFR 261.		

**Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Component:</b>	<b>CAS #</b>	<b>EINECS</b>	<b>% by Wt</b>
<b>Water</b>	7732-18-5	231-791-2	50-60%
<b>Proprietary Mixture</b>	NA	NA	40-50%

Amounts specified are typical.

The specific chemical identities and percentages of the proprietary mixture are withheld trade secret, per 29 CFR Part 1910.1200 paragraph(i).



### Section 4 – FIRST AID MEASURES

<b>Eyes:</b>	Flush thoroughly with water for 15 minutes. Seek medical attention if irritation develops.
<b>Skin:</b>	Wash contacted area with soap and water. Remove clothing from affected area and seek medical attention if irritation persists.
<b>Ingestion:</b>	Unlikely route of exposure. Drink copious amounts of water and do not induce vomiting. Seek medical attention.
<b>Inhalation:</b>	Unlikely route of exposure.

### Section 5 – FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Carbon dioxide, dry chemical and foam.
<b>Protection of firefighters:</b>	Wear self-contained breathing apparatus and full protective clothing.

### Section 6 – ACCIDENTIAL RELEASE MEASURES

<b>Personal Protection:</b>	Use PPE (goggles, gloves, lab coat) appropriate to size and risk of exposure
<b>Methods for Clean Up:</b>	Contain and absorb spill using inert material. Scrape up and place in a closed container for disposal. Rinse area with water.

### Section 7 – HANDLING AND STORAGE

<b>Handling:</b>	Use material in ventilated area. Avoid contact with skin, eyes and clothing. Wash after handling. Keep container tightly closed when not being used.
<b>Storage:</b>	Ambient storage temperature.

### Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:	OSHA (PEL)	1993-1994 ACGIH (TLV)	NIOSH REL	OSHA
Not Applicable	NA	NA	NA	NA

REL = Recommended Exposure Limit

PEL = Permissible Exposure Limit

TLV = Threshold Limit Value

TWA = Time-Weighted Average (8 hours)

CEIL = Ceiling (maximum allowable exposure limit for an airborne substance)

STEL = Short term (15 minutes) Exposure Limit

NE = Not Established

<b>Engineering Controls:</b>	Adequate ventilation, eye washes, and showers for emergency use.
<b>Personal Protection Equipment:</b>	Goggles, gloves, lab coat to be worn. Eye wash station should be available.



### Section 9 – PHYSICAL / CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark green liquid
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Slight ammonia odor
<b>pH:</b>	8.5 - 10.0
<b>Boiling Point:</b>	Not available
<b>Freezing Point:</b>	Not available
<b>Vapor Density:</b>	Heavier than air
<b>Specific Gravity:</b>	Not available
<b>Bulk Density:</b>	Heavier than water
<b>Volatile %</b>	< 1%
<b>Water Content</b>	50-60%
<b>Solvent Content:</b>	< 1%
<b>Evaporation Rate:</b>	< 1
<b>Viscosity:</b>	#3 Zahn cup, 15 - 25 seconds
<b>Flash Point:</b>	Not available
<b>Explosion Limits:</b>	Not available
<b>Flammability:</b>	Not available
<b>Solubility:</b>	Water soluble

### Section 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under anticipated storage/handling conditions.
<b>Incompatible Materials:</b>	Avoid exposure to acids and/or bases
<b>Hazardous Decomposition Products:</b>	None known
<b>Possibility of Hazardous Reactions:</b>	None known

### Section 11 – TOXICOLOGICAL INFORMATION

<b>Eye Effects:</b>	Not available
<b>Skin Effects:</b>	Not available
<b>Oral Effects:</b>	Not available
<b>Inhalation Effects:</b>	Not available
<b>Chronic Effects: Carcinogenicity</b>	None known

### Section 12 – ECOLOGICAL INFORMATION

<b>Environmental Fate:</b>	Not available
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### Section 13 – DISPOSAL CONSIDERATIONS

<b>Disposal:</b>	Dispose in accordance with all federal, state, provincial, and local regulations. This material does not meet the criteria of a hazardous waste as a defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
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## Section 14 – TRANSPORT INFORMATION

<b>US DOT Shipping Name:</b>	Not regulated
<b>Hazard Class:</b>	Not available
<b>IATA (International Air Transport Association):</b>	Not regulated
<b>IMO (International Maritime Organization):</b>	Not regulated

## Section 15 – REGULATORY INFORMATION

### US FEDERAL REGULATIONS:

<b>Toxic substances Control Act Inventory (TSCA):</b>	The ingredients within this material are either on, or exempt from the TSCA Inventory List.
<b>SARA Title III, Sec. 302 (Extremely Hazardous Substances):</b>	Not applicable
<b>SARA Title III, Sec. 311/312 (Hazard Classes):</b>	Not applicable
<b>SARA Title III, Sec. 313 (Toxic Chemicals):</b>	Not applicable

### INTERNATIONAL REGULATIONS:

<b>Canada DSL:</b>	The product is a mixture of ingredients. All components of this material are on Canada's DSL Inventory List.
<b>EINECS/ELINCS:</b>	The ingredients of this material are either on or exempt from the European Inventory of Existing Commercial Chemical Substances List.

## Section 16 – OTHER INFORMATION

<b>Disclaimer:</b>	The ingredients within this material are either on, or exempt from the TSCA Inventory List.
<b>Warranty:</b>	True Indicating does not validate ink for every possible substrate/ink combination or printing process/equipment. True Indicating shall not be held liable for any loss, costs, damages as result from the use of said ink. True Indicating warrants to the original purchaser that the ink is free from manufacturing defects which would compromise its performance. If any ink is determined to be defective, True Indicating will exchange the defective ink or refund the purchase price as True Indicating determines. There are no other expressed or implied warranty, and no implied warranty of merchantability and no implied warranty for a particular purpose.

This Safety Data Sheet has been created using data from sources considered technically reliable. It does not constitute a warranty as to the accuracy of the information contained within. The user is responsible for evaluation of available information when using the product in any way and would comply with all Federal, State, Provincial and Local Laws/Regulations.