

Water Proof Ink Black, Red or Yellow**Section 1 – Product and Company Information**

Manufacturer Inland Diamond Products Company - 32051 Howard Street Madison Heights, MI 48071 USA
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Trade Name Water Proof Ink

Chemical Family: Ink

Last Review Date: June 1, 2015

Product ID 18209

Recommended Uses Used for marking lenses.

Emergency Phone Number:
CHEMTREC 1-800-424-9300
or 1-703-527-3887

Section 2 – Hazard Identification**GHS Classification and Hazard Statements in Accordance with 29 CFR 1910 (OSHA, HCS)****Label elements:****DANGER**

Physical Hazard: Flammable liquid - Category 2 - Highly flammable liquid and vapor.

Health Hazard: Eye irritant - Category 2 - Causes serious eye irritation.
 Specific target organ toxicity (SE) – Category 3 – May cause drowsiness or dizziness.

Prevention: Keep away from heat, sparks, open flame, no smoking.
 Use explosion proof electrical, ventilating, light and equipment.
 Take precautionary measures against static discharge.
 Wash thoroughly after handling.
 Wear protective gloves, eye and face protection.

Response:

In case of fire: Use foam, powder, dry chemical or carbon dioxide. Water may be use to cool heat exposed environment but may be ineffective to control blaze.

If on skin: Remove contaminated clothing and wash exposed skin with water for several minutes.
 Wash well contaminated clothing before reusing.

If in eyes: Remove contact lenses (if present) while rinsing continuously with water for several minutes.
 If eye irritation persists obtain medical advice or attention.

Storage: Keep in cool, well ventilated place. Keep container securely closed.

Disposal: Dispose of contents, containers in accordance with local and national regulations.

Section 3 – Composition/Information on Ingredients

Component	CAS Number	Percentage (wt)
1-Methoxy-2-propanol	0000107-98-2	25-50
Isopropanol alcohol	0000067-63-0	25-50
Ethyl acetate	0000141-78-6	1.0-10
Rosin, Fumeric	0800680-57-9	1.0-10
Ethanol	0000064-17-5	1.0-10
Carbon black	0001333-86-4	1.0-10
Cellulose nitrate	0009004-70-0	1.0-10

Section 4 – First Aid Measures

Description of First Aid Measures;

In Case of Skin Contact: First aid not normally required. Remove contaminated clothing. Wash area of contact with soap and water. Wash clothing before reuse. Get medical attention if irritation occurs and persists.

In Case of Eye Contact: Remove contact lenses. Flush with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

If Inhaled: Remove affected person from source of exposure. Get medical attention if breathing difficulty or discomfort persists.

If Swallowed: Do not induce vomiting because of danger of aspiration into lungs. If conscious, give a glass of water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention.

Most Important Symptoms and Effects – Immediate and Delayed: None known for this product.

Indication of Any Immediate Medical Attention and Special Treatment Needed: None known for this product.

Section 5 – Firefighting Measures

Extinguishing Media: Use foam, powder, dry chemical or carbon dioxide. Water may be use to cool heat exposed environment but may be ineffective to control blaze.

Special Hazards Arising from the Substance or Mixture: Hazardous decomposition does not occur. Keep away from heat, sparks, open flame, no smoking. Use explosion proof electrical, ventilating, light and equipment.

Advice for Firefighters: Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment.

Further Information: Move or flush combustibles away from sources of ignition.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Avoid breathing vapors, mist or gas. Reclaim and recycle is preferred.

Environmental Precautions: Do not allow spills to enter drains or waterways.

Methods and materials for containment and cleaning up: Floor and surfaces may be slippery.

For large spills, isolate the release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure. Dike with sand or other material.

For Small Spills: Sweep up and shovel solids. Use absorbents to collect liquids. Keep in suitable, closed containers for disposal. Flush area with water provided runoff does not enter drain or sewer; use absorbent material and dispose of properly.

Reference to other sections: For personal protection see section 8. For disposal see section 13.

Section 7 – Handling and Storage

Precautions for safe handling: Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For intended use only. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you are exposed and feel unwell. The shipping and storage container is not designed to be pressurized. Do not use pressure to empty the container as it may rupture. Containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

Conditions for safe storage, including any incompatibilities: Do not store near incompatible chemicals. When possible, store in a dry place at moderate temperatures (above freezing) away from heat and flames. This material is to be handled and applied according to label directions. Keep this product and all chemicals away from children and pets. Keep containers closed when not in use. Keep from freezing. Do not eat, drink, or smoke while using this product.

Section 8 – Exposure Control and Personal Protection

Control parameters

CAS No	Component	Source	Value
64-17-5	Ethanol	OSHA	TWA 1000ppm (1900mg m ⁻³)
		ACGIH	STEL 1000ppm
		NIOSH	TWA 1000ppm (1900mg m ⁻³)
67-63-0	Isopropyl alcohol	OSHA	TWA 400PPM (980 mg m ⁻³) STEL 500ppm
		ACGIH	TWA 200ppm STEL 400ppm
		NIOSH	TWA 400ppm (980mg m ⁻³) STEL 500ppm (1225mg m ⁻³)
107-98-2	1-Methoxy-2-propanol	OSHA	No established limit
		ACGIH	TWA 50ppm STEL 750ppm
		NIOSH	TWA 100ppm (360mg m ⁻³) ST 150ppm (540mg m ⁻³)
141-78-6	Ethyl acetate	OSHA	TWA 400PPM (980mg m ⁻³)
		ACGIH	TWA 150ppm
		NIOSH	TWA 400ppm (980mg m ⁻³)
1333-86-4	Carbon black	OSHA	TWA 3.5mg m ⁻³
		ACGIH	TWA 3.0mg m ⁻³
		NIOSH	TWA 3.5mg m ⁻³ Ca TWA 0.1mg m ⁻³ PAHs m ⁻³ in presence of polycyclic aromatic hydrocarbon (PAHs)

Components with workplace control parameters: Ethanol, Isopropyl alcohol, 1-Methoxy-2-propanol, Ethyl acetate, Carbon black.

Exposure controls: Appropriate engineering controls.

Eye and Face Protection: Wear safety glasses; use face shield if splashing is possible.

Skin Protection: Chemical resistant overalls, gloves and footwear should be used to avoid repeated contact.

Respiratory Protection: Not normally needed if atmospheric levels maintained below exposure guidelines. If respiratory protection is required then an approved air purifying respirator of the organic vapor cartridge should be worn.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Form: Liquid

Color: Black, Red or Yellow

Odor: Sweet alcohol

Health, Safety and Environment Info

Boiling Point/Range: 160°F (82°C)

Flash Point: 50-60°F (10-15°C) Method {Setaflash}

Auto Ignition Temp: N/A

Lower Flammability-Explosion Limit: 3.0

Upper Flammability-Explosion Limit: 19.0

Vapor Pressure: 4.16 kPa

Vapor Density (Air=1): >2

Freezing Point/Melting Point: N/A

Solubility (Water): 65-75%

Specific Gravity (H₂O=1): 0.810 @ 20°C (68°F)

Evaporation Rate: 1.0

Viscosity (SSU@ 100°F): Not Determined.

pH: N/A0

Other Information:

Volatility (v/v): 65-75%

Note: Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

Section 10 – Stability and Reactivity

Reactivity: Hazardous polymerization will not occur.

Chemical stability: Stable under normal conditions of use.

Possibility of hazardous reactions: No data available.

Conditions to avoid: High temperatures, fires and incompatibles.

Incompatible materials: Avoid contact with oxidizers and acids.

Hazardous decomposition products: Does not decompose under normal conditions.

Other decomposition products: None known.

Section 11 – Toxicological Information

General: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Acute and chronic toxicity: N/A.

Skin corrosion/irritation: N/A.

Inhalation: N/A.

Serious eye damage/eye irritation: Category 2 – causes serious eye damage.

Respiratory or skin sensitization: N/A.

Germ cell mutagenicity: N/A

Reproductive toxicity: N/A

Specific target organ toxicity - single exposure: Category 3 – may cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: N/A

Aspiration hazard: N/A.

Carcinogenicity: IARC, ACGIH, NTP, OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Section 12 – Ecological Information

Ecotoxicity: Do not allow in to drains or water courses.

Persistence and Biodegradability: Not Determined

Bioaccumulative Potential: Not Determined

Mobility in Soil: Not Determined

Results of PBT and vPvB assessment: Product contains no PBT/vPvB chemicals

Section 13 – Disposal Consideration

US/RCRA Waste Disposal Methods: Do not allow in to drains or water courses. Disposed of solutions containing this material are the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous. Avoid repacking wet material in sealed containers. Dispose of waste material according to Local, State and Federal Environmental Regulations.

Section 14 – Transport Information

UN Number	DOT UN1210	IMO/IMDG UN1210	ICAO/IATA UN1210
UN Proper shipping label name	Printing ink	Printing ink	Printing ink
Transport hazard class	DOT Hazard class 3 DOT Label 3	IMDG: 3 Subclass: N/A	Air Class: 3 Cargo only - 364 Passenger - 353
Packing Group	II	II	II
Environmental hazards		IMDG Marine pollutant: Y	
Special precautions	No further information		
Transport in bulk according to annex II of MARPOL73/78 and the IBC code	N/A		

Section 15 – Regulatory Information

TSCA (Toxic Substance Control Act): Components of this product are listed or exempt from listing on the TSCA Inventory.

NFPA Rankings:



WHMIS Classification: B2 D2B



US EPA Tier II Hazards	Fire:	Yes
	Sudden release of pressure:	No
	Reactive:	No
	Immediate (Acute):	Yes
	Delayed (Chronic):	No

Section 16 – Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

This SDS complies with the requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200