

Safety Data Sheet

6744 Invisible Ink

SECTION 1 *Product Identification and General Information*

Manufacturer: International Imaging Materials, Inc.

Manufacturer Address: 310 Commerce Drive, Amherst, New York 14228-2396

Product Information: 716-691-6333 (contact Director, Manufacturing Engineering)

Emergency Phone Number (24 Hour): Infotrac 1-800-535-5053 for Domestic USA (For Hazardous Materials (or Dangerous Goods) Incident, Spill, Leak, Fire, Exposure or Accident)

Emergency Phone Number (Outside U.S. and Canada): Infotrac 1-325-323-3500 (collect calls accepted)

Product Numbers: 6744 Invisible Ink

Product Use: Printing Ink

Date SDS Prepared: 11/30/2023

This SDS has been prepared for the purposes of Hazard Communication, under 29 CFR 1910.1200.

SECTION 2 *Hazards Identification*

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

GHS Classification: Flammable liquids (Category 2; Eye irritation (Category 2A);
Specific target organ toxicity - single exposure (Category 3), Central nervous system

GHS Label Elements, including Precautionary Statements:



Pictograms:

Signal Word: Danger

Hazard Statements: Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/ attention.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Store in a well-ventilated place. Keep container tightly closed. Keep Cool.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS: None

SECTION 3 *Composition/Information on Ingredients*

Contents	Synonyms	Percent by Weight	CAS No.	OSHA PEL	ACGIH TLV	LISTED CARCINOGEN (IARC/OSHA/NTP)
Ethanol Isopropanol	Ethyl Alcohol 2-Propanol	20% - 30% 10% - 15%	64-17-5 67-63-0	1000 ppm 400 ppm	1000 ppm 200 ppm	No IARC 3 (See Section 11)

SECTION 4 *First Aid Procedures*

Description of First Aid Measures:

Eye Contact: Flush with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

Ingestion: Inducing vomiting should only be performed under the direct supervision of medical personnel. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labeling (see Section 2) and/or in Section 11.

Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5 *Fire-Fighting Measures*

Flash Point: <55°F

Fire and Explosion Hazards: Flammable Liquid. Dangerous fire hazard when exposed to heat or flame. Explosive peroxides may form on prolonged storage in contact with air and heat.

Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide. Alcohol resistant foams (ATC) are preferred, if available.

Special Hazards arising from the Substance or Mixture:

Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards: This flammable liquid must be kept away from sparks, open flame, hot surfaces, and all sources of heat and ignition. Decomposition materials may emit acrid smoke and irritating fumes. Never use welding or cutting torch on or near drum (including empty) because product can ignite explosively.

SECTION 6 *Accidental Release Measures*

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: 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 sawdust. 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. (see section 13).

Reference to other sections: For disposal see Section 13.

SECTION 7 *Handling and Storage*

Precautions for Safe Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard. Separate from incompatibles. Storage and use areas should be NO SMOKING areas. Use non-sparking tools and equipment. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Conditions for Storage: Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidizing agents, heat and flames.

Specific End Uses: Apart from the uses mentioned in Section 1- Product Use, no other specific uses are stipulated

SECTION 8 *Exposure Controls/Personal Protection*

Ingredients	CAS No.	OSHA PEL	ACGIH TLV
Ethanol	64-17-5	1000 ppm	1000 ppm
Isopropanol	67-63-0	400 ppm	200 ppm

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.

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 the general work area. Use explosion-proof equipment.

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 protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact for non-incident use. Check with your safety supplier for the proper chemical-resistant gloves.

SECTION 9 *Physical and Chemical Properties*

Appearance: Liquid	Flashpoint: <55°F
Color: Clear	Flammability (solid, gas): Not Determined
Odor/Taste: Alcohol-like	Upper/Lower Flammability: Not Determined
Odor Threshold: Not Determined	Freezing Point (°F/°C): Not Determined
pH: Not Determined	Specific Gravity (@68°F, Water=1): 0.78 g/cm ³
Solubility Description: Partially Soluble In Water.	Vapor Density (Air=1): Not Determined
Boiling Point (°C@760 mmHg): 82.4 °C 180.3 °F at 1,013 hPa	Vapor Pressure: 43 hPa at 20 °C (68 °F)
Melting Point (°F/°C): -89.5 °C (-129.1 °F)	Viscosity: Not Determined
Auto ignition Temperature: ~425.0 °C (797.0 °F)	Evaporation Rate (Butyl Acetate=1) : ~1
Partition Coefficient (n-octanol/water): Not Determined	Decomposition Temperature: Not Determined
Explosive Properties: Not Determined	Oxidizing Properties: Not Determined

SECTION 10 *Stability and Reactivity*

Reactivity: No data available.

Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions:

Conditions to Avoid: Heat, flames, sparks, ignition sources and incompatibles.

Incompatibility (materials to avoid): Oxidizing materials.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

SECTION 11 *Toxicological Information*

Information on toxicological effects:**International Agency for Research on Cancer (“IARC”) Classification for Isopropanol:**

Isopropanol is classified as IARC Group 3 or Unclassifiable as Carcinogenic to Humans.

Ethyl Alcohol Toxicological Information: Oral rat LD50: 5800mg/kg; inhalation rat LC50: 16000 mg/l

Isopropyl Alcohol Toxicological Information: Acute Oral Toxicity: Low toxicity: LD50 >2000 mg/kg , Rat
Acute Dermal Toxicity: Low toxicity: LD50 >2000 mg/kg , Rabbit;
Acute Inhalation Toxicity: Low toxicity: LC50>5000 ppm / 1 hours, Rat

Repeated Dose Toxicity:

Kidney: caused kidney effects in male rats which are not considered relevant to humans. Prolonged high concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

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 into the environment.

SECTION 13 *Disposal Considerations*

Waste Disposal Method: Recovered 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.

SECTION 14 *Transport Information*

USDOT and IMDG Regulations

Proper Shipping Name – UN1210, Printing Ink, 3, PG II
Hazard Class – 3 (Flammable Liquid)
Identification Number – UN1210
Packing Group - II

IATA Regulations

Proper Shipping – UN1210, Printing Ink, 3, PG II

SECTION 15 *Regulatory Information*

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with USEPA TSCA.

SECTION 16 *Other Information*

SDS Preparation Date: 11/30/2023

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 HIMAK 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.
