

## Materials Safety Data Sheet ActivInk™ D2400

### Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** ActivInk™ D2400

**General Use:** In solution

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### Section 2 - Composition / Information on Ingredients

Component	CAS Number	Exposure Limits ACGIH TLV	Exposure Limits OSHA PEL	Weight Percent (%)
Confidential	N/A	None Established	None Established	100

### Section 3 - Hazards Identification

Emergency Overview: WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED OR INHALED. CAUSES SEVERE IRRITATION TO EYES. CAUSES IRRITATION TO SKIN AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM.

**Carcinogenicity:** Not established.

**Medical Conditions Aggravated by Long-Term Exposure:** Not established

**Chronic Effects:** No chronic health effects known.

**WARNING:** This substance has not yet been fully tested.

**RESEARCH MATERIAL – FOR INVESTIGATIONAL USE ONLY.** Investigation of this substance is ongoing. Information is based upon preliminary data and analogy to known substances. Any adverse effects or new information should be reported to Polyera Corporation.

### Section 4 - First Aid Measures

**Inhalation:** Remove source(s) of contamination and move victim(s) to fresh air. If breathing has stopped give artificial respiration. Contact physician immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Ingestion:** Ingestion is unlikely route of exposure. Do not induce vomiting unless instructed by a physician. Rinse mouth with water and consult a physician.

**RESEARCH MATERIAL – FOR INVESTIGATIONAL USE ONLY. After first aid, get appropriate in-plant, paramedic, or community medical support.**

## Section 5 - Fire-Fighting Measures

**Suitable Extinguishing Media:** DO NOT get water inside containers. For small fires, use dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, apply water from as far as possible. Use very large quantities of water applied as a mist or spray. Solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**Unusual Fire or Explosion Hazards:** Particulates, mist, or vapor from this product may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Vapor from this product may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively.

**Fire-Fighting Instructions:** Wet material should be kept out of eyes and skin. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent) and full protection gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## Section 6 - Accidental Release Measures

**Personal Precautions:** Avoid breathing particulates, vapors, or mist. Evacuate area until dust has been dispersed. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental Precautions:** Do not let this product enter drains. Discharge into the environment must be avoided.

**Methods for cleaning up:** Contain spillage, and then collect with noncombustible absorbent material and place in container for disposal according to local/national regulations.

## Section 7 - Handling and Storage

**Handling Precautions:** Minimize breathing of dust, vapor, or mist, and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If

ventilation is not sufficient, wear proper respiratory equipment. Do not use near ignition sources.

**Storage Precautions:** Store in cool dry, well-ventilated area away from all sources of ignition. “Empty” containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** If user operators generate dust, fume, or mist, use ventilation.

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an CEN/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

**Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.** If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipments.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

Product Form:	Liquid	Vapor Density (Air=1):	N/A
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Appearance and Odor:	Colorless	Water Solubility:	Insoluble
Vapor Pressure:	N/A	Boiling Point:	100-160 °C
Specific Gravity:	N/A	Evaporation Rate:	Not Established

### Section 10 - Stability and Reactivity

**Stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.

**Materials to avoid:** Strong oxidizing agents. Strong reducing agents. Strong base. Heat, flames and sparks.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce carbon monoxide and/or carbon dioxide.

**Hazardous Polymerization:** Hazardous polymerization cannot occur.

### Section 11- Toxicological Information

None established

### Section 12 - Ecological Information

None Established. Water insoluble.

### Section 13 - Disposal Considerations

**Disposal:** Follow applicable local regulations. A qualified environmental professional should determine waste characterization, disposal, and treatment methods..

### Section 14 - Transport Information

**USDOT Information:** DOT Classification: CLASS 3: Flammable liquid.  
UN/NA: 1993 PG: III

**Special Provisions for Transport:** Not available.

**Warning – substance not yet fully tested**

### Section 15 - Regulatory Information

**EPA Regulations:**

Labelling according to EC Directives, national legislation/regulations

**Warning – substance not yet fully tested**

### Section 16 - Other Information

**NFPA Ratings:** Health: 2 Flammability: 3 Reactivity: 0

**Label Hazard Warning:**

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED OR INHALED. CAUSES SEVERE IRRITATION TO EYES. CAUSES IRRITATION TO SKIN AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM.

**Label Precautions:**

Keep away from heat, sparks and flame.

Keep container closed.

Use only with adequate ventilation.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Avoid breathing vapor.

**Label First Aid:**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to

fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If

swallowed, induce vomiting immediately as directed by medical personnel. Never give

anything by mouth to an unconscious person. In all cases, get medical attention.

**Product Use:**

Laboratory Reagent.

**DISCLAIMER.** The Materials are experimental in nature, may have hazardous properties, and are provided “as is.” The information contained in this **Statement of Risks** is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of **Polyera Corporation**, it is the user’s obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.