

Materials Safety Data Sheet ActivInk™ N1100  
Generic EU MSDS

**Section 1 - Chemical Product and Company Identification**

**Product/Chemical Name:** ActivInk™ N1100

**General Use:** In solution

**From:** Polyera Corporation  
Suite 140  
8045 Lamon Ave.  
Skokie, IL 60077

**Telephone:** +1 847-677-7517

**Fax:** +1 847-677-7810

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**Section 2 - Hazards Identification**

**Inhalation:** Particulates may cause irritation of the respiratory tract, with coughing and chest discomfort.

**Eye:** Causes irritation, experienced as stinging and discomfort or pain. Corneal injury may occur.

**Skin:** May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause defatting and drying of the skin.

**Ingestion:** Ingestion is an unlikely route of exposure. May cause abdominal discomfort, nausea, vomiting and diarrhea. Drowsiness or loss of consciousness may occur.

**Carcinogenicity:** Not established

**Medical Conditions Aggravated by Long-Term Exposure:** Skin contact may aggravate an existing dermatitis.

**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 3 - Composition / Information on Ingredients**

Component	CAS No.	EC No.	Exposure Limits ACGIH TLV	Exposure Limits OSHA PEL	Weight Percent (%)
Small Molecule— RESEARCH MATERIAL	N/A	N/A	None Established	None Established	100

## Section 4 - First Aid Measures

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

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

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water.

**Ingestion:** Ingestion is unlikely route of exposure. Do not induce vomiting unless instructed by 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

**Extinguishing Media:** Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Unusual Fire or Explosion Hazards:** Particulates from this product and 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. Vapors from this material 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 protective 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. Evacuate area until dust has been dispersed. Remove all sources of ignition. Stop or reduce discharge if it can be done safely.

**Environmental Precautions:** Do not let this product enter drains

## Section 7 - Handling and Storage

**Handling Precautions:** Minimize breathing of vapors 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 Requirements:** 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 reconitioner, or properly disposed of.

## Section 8 - Exposure Controls / Personal Protection

### Personal protective equipment

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Eye protection:** Safety glasses

**Hygiene measures:** General industrial hygiene practice.

## Section 9 - Physical and Chemical Properties

### Appearance

Form	Solid
Color	Red, crystalline

### Safety Data

pH	N/A
Melting point	N/A
Boiling point	N/A
Vapor pressure	N/A
Specific Gravity	N/A
Vapor density (air=1)	N/A
Evaporation rate	Not established
Water solubility	Insoluble

## Section 10 - Stability and Reactivity

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

**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.

## Section 13 - Disposal Considerations

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

## Section 14 - Transport Information

**ADR/RID:** Not dangerous goods  
**IMDG:** Not dangerous goods  
**IATA:** Not dangerous goods

## Section 15 - Regulatory Information

### Labeling According to EC Directives

#### Further information:

The product does not need to be labeled in accordance with EC directives or respective national laws.

## Section 16 - Other Information

**DISCLAIMER.** The Materials are experimental in nature, may have hazardous properties, and are provided “as is.” The information contained in this **Material Safety Data Sheet** 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.