**INDOFINE Chemical Company, Inc.**
121 Stryker Lane, Building 30
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Product name:** | POLYDIOXANONE HOMOPOLYMER, IV 1.5-2.2 dL/g |
| **Synonym:** | DIOXOMAXX® 100 |
| **Product number:** | 6100-2 |
| **Supplier:** | INDOFINE Chemical Company, Inc.<br>121 Stryker Lane<br>Building 30<br>Hillsborough, NJ 08844 |
| **Telephone:** | (908) 359-6778 |
| **Fax:** | (908) 359-1179 |
| **Emergency phone** | 800-424-9300 |

## SECTION 2: HAZARDS IDENTIFICATION

Avoid prolonged exposure.
Do not breathe vapor.
Use caution when handling.
Exposure to any chemical should be limited.
To the best of our knowledge, the health hazards of this product have not been fully investigated.
This product is provided solely for the purpose of research and development.

**POTENTIAL HEALTH EFFECTS**
The toxicological properties of the material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation/ingestion.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|---|---|
| **Synonyms:** | DIOXOMAXX® 100 |
| **CAS#:** | 31621-87-1 |
| **Molecular Formula:** | (C4H6O3)n |
| **Molecular weight:** | |

## SECTION 4: FIRST-AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with clean, running water for at least 15 minutes while keeping eyes open. Cool water may be used. Seek medical attention.

**Skin Contact:** After contact with skin, wash with generous quantities of running water. Gently and thoroughly was affected area with running water and non-abrasive soap. Cool water may be used. Cover the affected area with emollient. Seek medical attention. Wash any contaminated clothing prior to reusing.

**Inhalation:** Remove the victim from the source of exposure to fresh, uncontaminated air. If victim's breathing is difficult, administer oxygen. Seek medical attention.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide, dry powder, regular foam.

**Special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards/decomposition of product:** Can emit toxic fumes under fire conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is spilled or otherwise released into the environment:
Wear appropriate respirator, impervious boots and heavy rubber (or otherwise impervious) gloves. Scoop up solid material or absorb liquid material and place into appropriate container. Ventilate area and wash affected spill area after pickup is complete. Wash skin immediately with plenty of water. Place solid or absorbed material into containers and close for disposal.

## SECTION 7: HANDLING AND STORAGE

Do not breathe dust or vapor.
Have safety shower and eye wash available.
Do not get in eyes, on skin or on clothing.
Keep container tightly closed.
Store in a cool, dry, well-ventilated place.
Ensure adequate ventilation during use.
Use only in a chemical fume hood.
Keep dry, store in freezer. Product is moisture and light sensitive.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal Protective Equipment**

**Respiratory:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand:** Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye:** Wear protective safety goggles. Use equipment for eye protection tested and approved under appropriate government standards.

**Skin and Body:** Wear protective clothing and chemical resistant boots to protect against chemical. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | White to Off white, Chips |
| **Molecular formula:** | (C4H6O3)n |
| **Molecular weight:** | |
| **Melting/boiling point:** | |
| **pH:** | no data available |
| **Flash point:** | no data available |
| **Ignition temperature:** | no data available |
| **Autoignition temperature:** | no data available |
| **Decomposition temperature:** | no data available |
| **Lower explosion limit:** | no data available |
| **Upper explosion limit:** | no data available |
| **Vapor pressure:** | no data available |
| **Density:** | no data available |
| **Viscosity:** | no data available |
| **Water solubility:** | no data available |
| **Partition coefficient: n-octanol/water** | no data available |
| **Relative vapor density:** | no data available |
| **Odor:** | no data available |
| **Odor threshold:** | no data available |
| **Evaporation rate:** | no data available |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity**
No data available.

**Chemical stability**
Stable under recommended storage conditions.

**Possibility of hazardous reactions**
No hazardous reactions during storage and handling complying with the instructions.

**Conditions to avoid**
No data available.

**Incompatible materials**
No data available

**Hazardous decomposition products**
No hazardous decomposition products if the instructions for handling and storage are respected. During high overheating of the substance or during a fire, hazardous decomposition products may be produced.

## SECTION 11 : TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Acute oral toxicity:** | no data available |
| **Acute dermal toxicity:** | no data available |
| **Acute inhalation toxicity:** | no data available |
| **Skin corrosion:** | no data available |
| **Skin irritation:** | no data available |
| **Serious eye damage:** | no data available |
| **Eye irritation:** | no data available |

**Respiratory sensitization:** no data available
**Skin sensitization:** no data available
**Germ cell mutagenicity:** no data available
**Carcinogenicity:** no data available
**Reproductive toxicity:** no data available
**Specific target organ toxicity: (Single exposure)** no data available
**Specific target organ toxicity: (Repeated exposure)** no data available
**Aspiration hazard:** no data available

**To the best of our knowledge, the toxicological properties of this product have not been fully investigated or determined.**

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** no data available
**Persistence and degradability:** no data available
**Bioaccumulative potential:** no data available
**Mobility in soil:** no data available
**Results of PBT and vPv assessment:** no data available
**Other adverse effects:** no data available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Product waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## SECTION 14: TRANSPORTATION INFORMATION

**DOT (US)**
Unrestricted
**IATA**
Unrestricted

## SECTION 15: REGULATORY INFORMATION

Adhere to all Federal, State, and local regulations.

## SECTION 16: OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. This shall only be used as a guide. The data may in no case be considered as product specifications. It does not represent any guarantee of the properties of the product. It is provided for information purposes only with no obligation on our part. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event, shall *INDOFINE Chemical Company, Inc.* be held liable for the use which is made of our products and for the information given above. *INDOFINE Chemical Company, Inc* assumes no responsibility for any damage resulting from handling or from contact with the above product.