

## SAFETY DATA SHEET

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ECOFINISHER

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ecofinisher

Catalogue Number(s): 069392 - package 5 liters

069393 - package 20 liters

Recommended main uses for the mixture: Finishing solution for offset printing plate protection after processing.

Manufacturer: IBF - INDÚSTRIA BRASILEIRA DE FILMES

Address : Rua Lauro Muller, 116 10º andar CEP 22290 900 Rio de Janeiro Brasil

Phone: 55 21 2103-1000

SDS prepared by : IBF INDÚSTRIA BRASILEIRA DE FILMES

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### 2. HAZARDS IDENTIFICATION

**Based on available data, the product classification criteria are not classified as hazardous according to GHS**

#### 2.1 Classification of the mixture:

This product must not be labeled as dangerous preparation concerning the classification, labeling and packaging of mixtures.

#### 2.2 Element GHS label:

This product should not be labeled as dangerous preparation, according to the classification, labeling and packaging of the mixtures.

#### 2.3 Other hazards:

None known.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Product Name:** Eco finisher

**This product is a mixture:** solution to protect counter graphic after development.

The mixture does not have a preparation classification as dangerous according to the classification GHS

**Chemical nature:** water-based solution.

### 4. FIRST AID MEASURES

#### 4.1 First aid measures:

**Inhalation:** Transfer to airy environment. Seek medical advice if symptoms persist.

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**Skin contact:** Rinse thoroughly with water for at least 15 minutes. Remove all contaminated clothing.

**Eye contact:** Rinse thoroughly with water, holding the eyelid open for at least 15 minutes.

**Ingestion:** Rinse mouth. Do not induce vomiting, seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed:

In normal use, adverse reactions are not expected.

### 4.3 Notes to physician:

In all cases emergency medical assistance should be provided.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media:

Dry powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), water.

Do not use water jet as it may spread the fire.

### 5.2 Specific hazards of the substance or mixture:

In case of fire the thermal decomposition may cause the formation of dangerous vapors, carbon dioxide, carbon monoxide.

Product is not combustible. Collect water contaminated fire fighting separately. Should not be discharged into drains.

### 5.3 Protective measures of the fire fighting team:

Normal fire fighting clothing.

## 6. MEASURES SPILL OR LEAK

### 6.1 Personal precautions, protective equipment and emergency procedures.

**6.1.1 Advice for non-emergency:** Keep people away. Isolate the area. Avoid contact with the material and stay downwind. Check in Section 8 individual precautions. Put on appropriate personal protective equipment.

**6.1.2 Advice for emergency responders:** Use personal protective equipment. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas.

### 6.2 Environmental precautions.

Avoid dispersal or leakage. Do not allow product to reach sewage system.

### 6.3 Methods and materials for containment and cleaning.

Transfer the spilled materials (solid and liquid) into suitable containers and deliver to an authorized manager for waste disposal. Collect the debris with absorbent materials.

Contain spilled material with earth dikes or sand.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling.

During application of chemicals should be subject to the usual precautionary measures for adequate protection. If accidental contact, the site should be washed immediately.

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Emergency showers and eyewash should be available in appropriate locations.  
Wash hands thoroughly after handling. When using do not eat, drink or smoke.  
This product is used by competent professionals, under strict conditions.

### 7.2 Conditions of safe storage, including any incompatibilities.

Keep container tightly closed. Protect from direct sunlight.

Keep container in a well-ventilated place.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control Parameters:

Does not contain substances with occupational exposure limit values.

### 8.2 Engineering measures:

Recommended Decontamination Facilities: Eyewash, safety shower and washing facilities. Use only with adequate ventilation.

### 8.3 Personal protection measures:

**Eye / Face Protection:** Wear safety glasses with side shields or goggles broad view.

**Skin Protection:** Use gloves resistant to chemicals. Gloves must be inspected prior to use.

**Respiratory protection:** It must be keep good local ventilation. Respiratory protection is not required for most working conditions.

**Thermal hazards:** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Lightly brown liquid

Odor: Slight odor weak

pH: 2.47 ± 0,05

Melting / Freezing Point: Not available.

Initial boiling point and boiling range temperature: Not available.

Flash Point: Not applicable.

Evaporation Rate: Not available.

Flammability (solid, gas): Not applicable.

Lower limit / upper flammability or explosive limits: Not applicable.

Vapor Pressure: Not available.

Vapor Density: Not available.

Relative density: 1.048 ± 0,003 g/ml at 20 ° C

Solubility in Water: Complete

-n-octanol/água Partition coefficient: Not available.

Auto-ignition temperature: Not available.

Decomposition Temperature: Not available.

Viscosity: Not available.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

There is no information available.

### 10.2 Stability

Chemically stable product at ambient conditions. Decomposition on heating or under fire conditions can form carbon monoxide and carbon dioxide.

### 10.3 Possibility dangerous reactions

There is no information available.

### 10.4 Conditions to be avoided

Store the goods away from incompatible materials and high heating locations.

### 10.5 Incompatible materials

#### Dextrin and monosodium phosphate

There is no information available.

### 10.6 Hazardous decomposition products

There is no information available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Acute toxicity:

No data available.

### 11.2 Corrosion / skin irritation:

No data available.

### 11.3 Serious eye damage / irritation:

No data available.

### 11.4 Respiratory sensitization or skin:

No information available.

### 11.5 Germ cell mutagenicity:

No information available.

### 11.6 Carcinogenesis:

No information available.

### 11.7 Reproductive toxicity:

No information available.

### 11.8 toxicity for specific target organs - single exposure:

No information available.

### 11.9 toxicity for specific target organs - repeated exposure:

No information available.

### 11.10 Aspiration hazard:

No information available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

The product is not expected to exhibit ecotoxicity.

### 12.2 Persistence and degradability:

No information available.

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**12.3 Bioaccumulative potential:**

No information available.

**12.4 Mobility in soil:**

No information available.

**12.5 Other adverse effects:**

No information available.

**13. CONSIDERATIONS DISPOSAL**

**13.1 Recommended methods for applied treatment and disposal.**

**Product:** The discharge, treatment or disposal may be subject to national, state and local laws. Download to sewer may require approval of the licensing authority and may require pretreatment.

If allowed, refer to an authorized manager for waste disposal.

**Waste product:** Keep product waste in its original packaging and properly closed. Disposal must be carried out as established for the product. Used packaging: Do not reuse packaging and identified

**Empty packaging:** Packaging that cannot be fully sanitized should receive the same treatment applied to the product. Recondition or dispose of empty container in accordance with government regulations.

**14. TRANSPORT INFORMATION**

**Road and Rail: DOT.**

Not regulated

**Maritime Transport: IMDG**

Not regulated

**Air Transport: ICAO / IATA**

Not regulated

**15. REGULATIONS**

Regulation of transport in Brazil: Resolution 5947:2021 – ANTT.

IMDG Code - IMO (International Maritime Organization).

Dangerous Goods Regulations - IATA (International Air Transport Association).

Dangerous Goods by Road (ADR) - UNECE (United Nations Economic Commission for Europe).

Toxic Substances Control Agency (TSCA) – USA: All components of this product are listed in, or excluded from, the US Environmental Agency's list. Toxic Protection Agency - Inventory Control (USA, EPA TSCA).

Brazilian Association of Technical Standards (ABNT) - NBR 14725 - Part 1-4.

**16. OTHER INFORMATION**

**Important information, but not specifically described in the previous sections.**

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**References:**

SDS from suppliers of substances.

United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)



INDÚSTRIA BRASILEIRA DE FILMES

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### **Captions and abbreviations:**

IMDG - International Maritime Dangerous Goods

ICAO / IATA - International Civil Aviation Organization / International Air Transport Association.

LD50 - lethal dose 50%

ACGIH - American Conference of Governmental Industrial Hygienists, Inc.

TLV - threshold limit value

OSHA - Occupational Safety and Health Administration

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The product should be stored, handled and used in accordance with proper industrial hygiene practices and in conformity with legal regulations.

The information contained herein are provided without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make their own decisions as to the applicability and completeness of such information, taking into account all possible sources, the correct use and disposal of materials, safety and health of their employees and customers and the protection of the environment.