

I. PRODUCT AND COMPANY IDENTIFICATION

Product name: Amberyl 830
Other means of identification: Fumaric modified resin
Recommended use: Ink formulations
Manufacturer: Polímeros Sintéticos, S.A. de C.V.
Company address: Guillermo Barroso 4, Fracc. Ind. Las Armas, Tlalnepantla, Edo. de Méx. C.P. 54080
Telephone number: (55) 5394 7188
Emergency number: CHEMTREC (800) 424 9300

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II. HAZARD IDENTIFICATION

Emergency overview

OSHA Hazards: No data available.

GHS Classification: No data available.

Classification system

HMIS ratings:

HEALTH	1
FIRE	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

Scale: 0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

Labeling

Pictogram:



Signal word:

Warning

Hazard statement:

May cause an allergic reaction.

Precaution statement:

Wear protective gloves, glasses and dust mask.

Potential Health Effects

Routs of exposure:

Inhalation, ingestion, skin and eye contact.

Eye:

Dust can cause eye irritation. Symptoms include stinging, tearing,

	redness, and swelling of the eyes.
Skin:	May cause skin irritation. No other effects are known from this solid or dust.
Ingestion:	Swallowing of this product may be harmful but is not a probable route of entry into the body.
Inhalation:	This material is a dust or may produce dust. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Inhalation of molten resin fumes may cause irritation of the nose and throat if ventilation is not appropriate. Breathing large amounts may be harmful.
Symptoms of exposure	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: irritation (nose, throat, airways). No further effects known.

III. COMPOSITION/INFORMATION ON INGREDIENTS

Common name and synonyms: Fumaric modified resin

Component	Concentration (% by weight)	Additional information
Modified rosin	100	Confidential*

**For more information please contact our company.*

IV. FIRST AID MEASURES

General Advice: Move immediately individual away from dangerous area and into fresh air. Consult a physician. Ensure that medical personnel are aware of the material(s) involved by showing them this safety data sheet.

Necessary First-aid Instructions

Eyes:	Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.
Skin:	Clean exposed areas by washing with soap and water and seek medical attention.
Ingestion:	Rinse mouth with water and seek medical attention immediately.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen and seek immediate medical attention.

V. FIRE-FIGHTING MEASURES

General advice: This product is not flammable in contact with ignition source. Airborne dust can form explosive mixture with air. Static of empty packages may produce fire flash, keep away from flammable vapor.

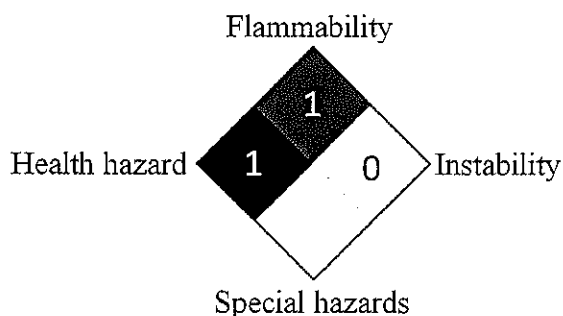
Suitable extinguishing equipment: For small fire use dry chemical powder; for large fire use water spray, carbon dioxide, fog or foam. Do not use water jet.

Products of combustion: Carbon monoxide (CO), carbon dioxide (CO₂), other pyrolysis products typical of burning organic material such as low molecular weight hydrocarbons.

Special protective equipment: Wear breathing apparatus, protective clothing and gloves.

Classification system

NFPA 704 rating:



Scale: 0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

VI. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep unnecessary personnel away. Use protective equipment to avoid contact with skin and inhalation of dust and/or fumes from spilled or molten material.

Emergency procedures: Remove ignition sources and provide sufficient ventilation. If emergency cannot be contained, alert local authority immediately.

Methods and materials used for containment and cleanup:

Stop the leakage if possible without risk and eliminate all ignition sources.

For a small spill: minimize dust. Sweep, shovel or vacuum.

For a large spill: shovel material into cover containers, if appropriate, moisten first to prevent dusting.

Thoroughly sweep area of spill to clean up any residual material.

VII. HANDLING AND STORAGE

Precautions for safe handling:

Avoid formation and breathing of dust/fume. Wear eye protection and gloves. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the safety data sheet must be observed. Keep area ventilation with explosive-proof materials. Maintain dust concentration low, if this is not possible wear suitable respiration equipment.

Conditions for safe storage:

Keep container in a cool, well ventilated and away from incompatibles such as oxidizing agents. Maintain empty packages away from all ignition sources.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering control: Installations should be prepared to control dust and fume concentration and provide respiratory equipment of this is not possible.

Personal protective equipment

Eye protection: Chemical splash goggles in compliance with OSHA regulations are advised; also permit other type of safety glasses.

Skin protection: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impermeable clothing and boots.

Respiratory protections : If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under

specified conditions (see your industrial hygienist).

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical Form:	Chunks
Physical state:	Solid
Color:	Amber

Safety Data

Softening point:	140-155 °C (Ring & Ball)
Acid value:	170–185 mg KOH/g (Titration)
Unsaponifiable matters:	No data available
Solubility in aromatics:	Soluble
Solubility in alcohol:	Soluble
Solubility in water:	Insoluble
Solubility in aliphatics:	Soluble
Specific gravity:	No data available
pH:	Not applicable
Capillarity melting point:	125-140 °C
Boiling point:	Not applicable
Flash point:	Closed cup higher than 200 °F
Ignition temperature:	No data available
Autoignition temperature:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapor pressure:	No data available
Partition coefficient: n-octanol/water:	No data available
Relative vapor density:	Not applicable
Odor:	Characteristic
Odor threshold:	Not applicable

Evaporation rate:

Not applicable

X. STABILITY AND REACTIVITY

Hazard reactions: None known.

Chemical stability: Material is stable under normal ambient temperature and conditions while in storage and being handled.

Hazardous decomposition: Thermal decomposition or burning may release carbon monoxide (CO), carbon dioxide (CO₂), and other hazardous gases or vapors.

Incompatibility: This product may react with strong oxidizing agents.

XI. TOXICOLOGICAL INFORMATION

Routs of exposure: Ingestion, inhalation, skin and eye contact.

Signs and Symptoms of Exposure Detailed toxicological information is not available.

Acute toxicity: No data available

Aspiration hazard: No data available

Synergistic effects: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: Not classified

Specific target organ toxicity-single exposure, GSH

No data available.

Specific target organ toxicity - repeated exposure, GSH

Classification not available due to lack of data.

Potential health effects

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation and allergic reaction.

Eyes: May cause serious eye irritation.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation, coughing

or difficulty breathing.

XII. ECOLOGICAL INFORMATION

Toxicity:	No data available
Persistence and degradability in Water/Soil:	No data available
Bioaccumulation potential:	No data available
Mobility in soil:	No data available
PBT and vPvB assessment:	No data available
Other adverse effects:	No data available

XIII. DISPOSAL CONSIDERATIONS

Waste must be disposed in accordance with federal, state and local environmental control regulations.

Disposal container:	Containers should be disposed and recycled at an approved handling site.
Disposal method:	Collect and dispose all containers at a licensed waste disposal, according to federal law. All precautions should be taken in place.
Product:	No data available
Container packing:	No data available
Special recommendations:	No data available

XIV. TRANSPORT INFORMATION

General advice: transportation description is based on mode of transport, quantities, package size, destination and origin. Please consult your company's Hazardous Materials expert for more information regarding this mater.

U.S. Department of Transportation (DOT):	Not a DOT controlled material.
Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
UN/NA Number:	Not applicable
Packing Group:	Not regulated

Labels Required:

No data available

XV. REGULATORY INFORMATION

TSCA Inventory: All intentionally added ingredients are either listed on the TSCA inventory list or exempt from listing.

XVI. OTHER INFORMATION

Issue date: 30/08/2013

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