

## MATERIAL SAFETY DATA SHEET

Last Modification: 06/09/2017

### I. GENERAL INFORMATION

**Manufactured by:** **SURQUIMICA S.A.**  
Calle 38, contiguo al cementerio La Uruca  
San José, Costa Rica, Centro América

Tel Inf: (506) 2211-3800  
Fax: (506) 2257-2028

**Emergency telephone:** **CHEMTREC: 1-800-424-9300 (USA)**  
**703-527-3887**

**SURQUIMICA S.A.: (506) 2211-3911**

**Product name: PEGAFORTE HM-825/HM-826/HM-827/HM-828**

**Product code: 525-23825/23826/23827/23828**

### II. HAZARDOUS COMPONENTS

This product contains no hazardous ingredients in percentages above 1%.

This product does not contain classified as carcinogenic, mutagenic or teratogenic according to the IARC in concentrations higher than 0.1% ingredients.

Prolonged contact may cause irritation.

### III. HEALTH HAZARD

**General overview:** May cause skin burns if the product is melted. May cause an allergic reaction. The vapours and gases may be irritant at the temperature of application.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin contact:** Skin contact at room temperature is not irritating. The contact with the product to elevated temperatures can cause thermal burns. May cause allergic skin reaction.

**Inhalation:** This product is not dangerous when inhaled. The vapors released by his casting can cause mild respiratory irritation. Vapors can have an unpleasant odor that can cause headaches, nausea and vomiting.

**Eye contact:** Not expected to cause eye problems under normal use conditions. Direct eye contact may cause irritation.

**Primary routes of entry:** Inhalation, Ingestion, Eye Contact

#### IV. FIRST AID PROCEDURES

**Ingestion:** Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water 8-10 oz (250-300 mL).

**Inhalation:** Move to fresh air. In case of shortness of breath, give oxygen. Consult a physician.

**Skin contact:** Wash off immediately with soap and plenty of water.

**Eye contact:** If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

#### V. FIRE AND EXPLOSION HAZARD DATA

**Flash point (°C):** No flammable **Method:** N.A.

**Flammability limits % (V):** **LIE:** N.D.; **LSE:** N.D.

**Extinguishing media:** Carbon Dioxide, Dry Chemical, Water Fog

**Fire and explosion hazards:** No special precautions required. No special protective measures against fire required. Product resists ignition and does not promote flame spread.

**Firefighting procedures:** In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray.

**Hazardous combustion products:** Carbon Monoxide and Dioxide

#### VI. SPILL OR LEAK PROCEDURES

**Steps if spilled:** Ventilate area of leak or spill. Dike to prevent entering any sewer or waterway. Use non-sparking tools and equipment. Transfer to a holding container. Keep people away from and upwind of spill/leak. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to clean spills away from exposure.

**Waste disposal:** Do not dispose of waste into sewer. Do not empty into drains. Do not flush into surface water or sanitary sewer system. If recycling is not practicable, dispose of in compliance with the Environmental Protection Local Regulations.

#### VII. HANDLING AND STORAGE

**Handling instructions:** Keep out of reach of children. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning. Take precautionary measures against static discharges. Use non-sparking type tools and equipment, including explosion proof ventilation. Keep away from open flames, hot surfaces and sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources

of ignition: they may explode and cause injury or death. Handle in accordance with good industrial hygiene and safety practice.

**Storage:** Storage and use areas should be No Smoking areas. Keep containers closed when not in use. Keep in a well-ventilated place. Keep in a dry, cool place. Separate from incompatibles. This material is corrosive. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid). Do not attempt to clean empty containers since residue is difficult to remove.

## VIII. PROTECTION INFORMATION

**Ventilation:** Provide adequate ventilation.

**Respiratory protection:** No personal respiratory protective equipment normally required. Use an organic vapor respirator if general room ventilation is not available or is insufficient to eliminate the symptoms generated by the vapors released when the material is heated.

**Skin protection:** Not normally required. Use chemical nitrile gloves to avoid prolonged or repeated contact. When the material is heated, use thermal insulating gloves to protect against thermal burns.

**Eye protection:** Safety glasses with side-shields.

**Other protective equipment:** Safety shower and eyewash station should be located in immediate work area.

## IX. PHYSICAL AND CHEMICAL DATA

**Color:** White

**Form/Appearance:** Solid

**Odor:** Characteristic

**% Volatile (p/p):** N.D.

**Vapor density (air = 1.0):** > 1.0

**Solubility in water:** Not soluble

**Density, lower value according to color, (g/mL):** 0.13

**Density, higher value according to color, (g/mL):** 0.16

**pH:** N.A.

**Flash point ( ° C ):** No flammable

**V.O.C. (g/L):** N.A.

## X. ESTABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous polymerization:** No.

**Incompatibility:** Avoid oxidizing agents, acids and strong bases.

**Decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.

## XI. TOXICOLOGICAL INFORMATION

This product contains no hazardous ingredients in percentages above 1%.

This product does not contain classified as carcinogenic, mutagenic or teratogenic according to the IARC in concentrations higher than 0.1% ingredients.

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## XII. ECOLOGICAL INFORMATION

Studies eco-toxicologic do not exist. Having no information about how to act in ecology, it is recommended to avoid the entry to any waterbody, like rivers, lakes, lagoons, sewers and underground natural waters. Ecological injuries are not known or expected under normal use.

## XIII. DISPOSAL PRODUCT

**Disposal:** Do not dispose of waste into sewer. Do not empty into drains. Do not flush into surface water or sanitary sewer system. If recycling is not practicable, dispose of in compliance with the Environmental Protection Local Regulations. Do not attempt to clean empty containers since residue is difficult to remove.

## XIV. TRANSPORTATION INFORMATION

**IATA/IMDG:**

**Shipping name:** Not regulated

**UN number:** Not regulated

**Class:** Not regulated

**Packing group:** Not regulated

Not classified as dangerous in the meaning of sea and air transport regulations.

## XV. REGULATORY INFORMATION

**National regulation:**

No Information.

**Other regulations:**

No Information.

## XVI. OTHER INFORMATION

**This MSDS include the following products, (Identified by code):** 23825000, 23826000, 23827000, 23828000

**Hazardous Material Information System: HMIS**

<b>Health:</b>	<b>1 - minimal</b>
<b>Fire:</b>	<b>0 - Not Flammable</b>
<b>Reactivity:</b>	<b>0 - no hazard</b>
<b>Personal Protection:</b>	<b>B</b>

**National Fire Protection Association: NFPA**

<b>Health:</b>	<b>1 - minimal</b>
<b>Fire:</b>	<b>0 - Not Flammable</b>
<b>Reactivity:</b>	<b>0 - no hazard</b>
<b>Speccial:</b>	<b><u>__Snfpa__</u></b>

The degrees of HMIS and NFPA imply the interpretation of the data that can vary from company to company, their objective it is to allow a quick and general identification of the magnitude of the danger specific. In order to manage this material in sure form it should be kept in mind the entirety of the information contained in this MSDS.

Note: The destinatary should send this MSDS to any transporter or eventual user of out product. The information offered in this sheet is based on data supplied by our providers and is determinate in our plant. Although we think that we are reliable, this product is sold to be used with a defined propose. SURQUIMICA S.A. does not assume any responsibility for the damage that this product can cause to any buyer or third person.