

# SAFETY DATA SHEET

According to Reg. (EU) No. 453/2010

**HISPANA**  
de Maquinaria, S.A.

Code: KA010945-6

Date: 28/04/2016

FILTERING MEDIA GP-03 - EN-03

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## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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**1.1 Product identifier** Filtering Media GP-03 Electro Polisher, 8522230

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Identified uses:** Ion exchange and/or Adsorption process

**1.3 Details of the supplier of the safety data sheet**  
**COMPANY IDENTIFICATION**

Gesswein  
201 Hancock Ave., Bridgeport, CT 06605  
Phone: 203-366-5400, FAX: 203-366-3953  
email: info@gesswein.com, www.gesswein.com

**1.4 Emergency telephone number: CHEMTELL - 800-255-3924**

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## SECTION 2. HAZARDS IDENTIFICATION

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**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC:**

Not a hazardous substance or mixture.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3 Other hazards**

no data available

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Chemical nature:** Chelating resin

**3.2 Mixtures**

This product is a mixture.

This product does not contain, in concentrations equal to or greater than those laid down by the Regulation (EC) No. 453/2010, any substances presenting a health or environmental hazard nor any substances for which there are Community workplace exposure limits in place.

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## SECTION 4. FIRST AID MEASURES

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### 4.1 Description of first aid measures

**Skin contact:** Wash off with soap and water. If skin irritation persists, call a physician.

**Eye contact:** Rinse with plenty of water. If eye irritation persists, consult a specialist.

**4.2 Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician:** Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## SECTION 5. FIREFIGHTING MEASURES

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### 5.1 Extinguishing media

**Suitable extinguishing media:** Use the following extinguishing media when fighting fires involving this material: Water spray Carbon dioxide (CO<sub>2</sub>) Foam Dry chemical

**Unsuitable extinguishing media:** no data available

### 5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products:** no data available

**Unusual Fire and Explosion Hazards:** Cool closed containers exposed to fire with water spray. Exposure to decomposition products may be a hazard to health. Dusts at sufficient concentrations can form explosive mixtures with air.

### 5.3 Advice for firefighters

**Fire Fighting Procedures:** Remain upwind. Avoid breathing smoke.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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**6.1 Personal precautions, protective equipment and emergency procedures:** Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

**6.2 Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**6.3 Methods and materials for containment and cleaning up:** Keep spectators away. Floor may be slippery; use care to avoid falling. Transfer spilled material to suitable containers for recovery or disposal.

**6.4 Reference to other sections:** References to other sections, if applicable, have been provided in the previous sub-sections.

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## SECTION 7. HANDLING AND STORAGE

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**7.1 Precautions for safe handling:** NOTE: This product as supplied is a whole bead resin and may produce slight eye irritation. However, the ground form of this resin should be treated as a severe eye irritant. Worker exposure to ground resins can be controlled with local exhaust ventilation at the point of dust generation, or use of suitable personal protective equipment (dust/mist air-purifying respirator and safety goggles). Avoid repeated freeze-thaw cycles; beads may fracture. If frozen, thaw at room temperature.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep from freezing. Keep in a dry, cool place. Keep container tightly closed.

**7.3 Specific end use(s):** See the technical data sheet on this product for further information.  
**Other data:** CAUTION: Do not pack column with dry ion exchange resins. Dry beads expand when wetted; this expansion can cause glass column to shatter.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

Exposure limits are listed below, if they exist.

### 8.2 Exposure controls

**Engineering controls:** None required under normal operating conditions.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

### Individual protection measures

**Eye/face protection:** Safety glasses

#### Skin protection

**Hand protection:** Wear suitable gloves.

**Respiratory protection:** No personal respiratory protective equipment normally required.

### Environmental exposure controls

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	Beads
Color	amber
Odor	no data available
Odor Threshold	no data available
pH	8.0 - 9.0 Aqueous slurry
Melting point/range	no data available
Freezing point	no data available
Boiling point (760 mmHg)	100.00 °C Water

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<b>Flash point</b>	no data available
<b>Evaporation Rate (Butyl Acetate = 1)</b>	<1.00 Water
<b>Flammability (solid, gas)</b>	no data available
<b>Lower explosion limit</b>	Not Applicable
<b>Upper explosion limit</b>	Not Applicable
<b>Vapor Pressure</b>	at 20 °C
<b>Relative Vapor Density (air = 1)</b>	<1.0000 Water
<b>Relative Density (water = 1)</b>	1.1400
<b>Water solubility</b>	practically insoluble
<b>Partition coefficient: n octanol/water</b>	no data available
<b>Auto-ignition temperature</b>	> 500.00 °C estimated
<b>Decomposition temperature</b>	no data available
<b>Dynamic Viscosity</b>	Not Applicable
<b>Kinematic Viscosity</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available

## 9.2 Other information

<b>Molecular weight</b>	no data available
<b>Percent volatility</b>	60.00 - 65.00 %
<b>Particle size</b>	0.310 - 1.000 mm

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## SECTION 10. STABILITY AND REACTIVITY

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**10.1 Reactivity:** no data available

**10.2 Chemical stability:** no data available

**10.3 Possibility of hazardous reactions:** Stable under normal conditions.  
Product will not undergo polymerization.

**10.4 Conditions to avoid:** no data available

**10.5 Incompatible materials:** Avoid contact with the following: Strong Oxidizers

**10.6 Hazardous decomposition products:** Thermal decomposition may yield the following:  
monomer vapors

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## SECTION 11. TOXICOLOGICAL INFORMATION

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*Toxicological information on this product or its components appear in this section when such data is available.*

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

LD50, Rat, > 5,000 mg/kg

##### Acute dermal toxicity

LD50, Rabbit, > 5,000 mg/kg

##### Acute inhalation toxicity

Product test data not available.

#### Skin corrosion/irritation

Product test data not available.

#### Serious eye damage/eye irritation

Product test data not available.

#### Sensitization

Product test data not available.

#### Specific Target Organ Systemic Toxicity (Single Exposure)

Product test data not available.

#### Specific Target Organ Systemic Toxicity (Repeated Exposure)

Product test data not available.

#### Carcinogenicity

Product test data not available.

#### Teratogenicity

Product test data not available.

#### Reproductive toxicity

Product test data not available.

#### Mutagenicity

Product test data not available.

#### Aspiration Hazard

Product test data not available.

#### Additional information

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

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## SECTION 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information on this product or its components appear in this section when such data is available.*

### General Information

Limited effects are expected from exposure of the environmental compartments by insoluble plastic beads of large diameter (300 to 1200 microns).

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

No data available.

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## SECTION 13. DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

Unused material may be incinerated or landfilled in facilities meeting local, state, and federal regulations.

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

### Contaminated packaging:

applicable federal, state, and local regulations.

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## SECTION 14. TRANSPORT INFORMATION

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### Classification for ROAD and Rail transport (ADR/RID):

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|-----------------------------------|---|
| 14.1 UN number                    | Not applicable  |
| 14.2 Proper shipping name         | Not regulated for transport                                       |
| 14.3 Class                        | Not applicable  |
| 14.4 Packing group                | Not applicable  |
| 14.5 Environmental hazards        | Not considered environmentally hazardous based on available data. |
| 14.6 Special precautions for user | No data available.  |

### Classification for SEA transport (IMO-IMDG):

- |   |   |
|---|---|
| 14.1 UN number  | Not applicable  |
| 14.2 Proper shipping name   | Not regulated for transport                                 |
| 14.3 Class  | Not applicable  |
| 14.4 Packing group  | Not applicable  |
| 14.5 Environmental hazards  | Not considered as marine pollutant based on available data. |
| 14.6 Special precautions for user   | No data available.  |
| 14.7 Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code | Consult IMO regulations before transporting ocean bulk      |

### Classification for AIR transport (IATA/ICAO):

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 14.1 UN number                    | Not applicable              |
| 14.2 Proper shipping name         | Not regulated for transport |
| 14.3 Class                        | Not applicable              |
| 14.4 Packing group                | Not applicable              |
| 14.5 Environmental hazards        | Not applicable              |
| 14.6 Special precautions for user | No data available.          |

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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## SECTION 15. REGULATORY INFOR

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This product contains only components that have been either pre-registered, registered, are exempt from registration or are regarded as registered according to Regulation (EC) No. 1907/2006 (REACH). Polymers are exempted from registration under REACH. All relevant starting materials and additives have been either pre-registered, registered, or are exempt from registration to Regulation (EC) No. 1907/2006 (REACH).

The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

### 15.2 Chemical Safety Assessment

Not applicable

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## SECTION 16. OTHER INFORMATION

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### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008

This product is not classified as dangerous according to EC criteria.

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.