Magnetic Receptive WR
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification

1.1. Identification
Product form : Mixture
Product name : Magnetic Receptive WR
Product code : 13630

1.2. Recommended use and restrictions on use
No additional information available

1.3. Supplier
Polymeric US
117 E. 14th Ave
North Kansas City, MO 64116
800-746-5567

1.4. Emergency telephone number
Emergency number : Chemtel - U.S., Canada, Puerto Rico, U.S. Virgin Islands 1-800-255-3924; International 813-248-0585

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Flammable liquids, Category 2 : H225 - Highly flammable liquid and vapour.
Skin sensitisation, Category 1 : H317 - May cause an allergic skin reaction.
Reproductive toxicity, Category 2 : H361 - Suspected of damaging fertility or the unborn child.
Hazardous to the aquatic environment — Acute Hazard, Category 3 : H402 - Harmful to aquatic life
Hazardous to the aquatic environment — Chronic Hazard, Category 3 : H412 - Harmful to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements
GHS US labelling
Hazard pictograms (GHS US) :

Signal word (GHS US) :
Hazard statements (GHS US) :
H225 - Highly flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H361 - Suspected of damaging fertility or the unborn child.
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing must not be allowed out of the workplace
P273 - Avoid release to the environment.
2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxyethyl acrylate</td>
<td>(CAS-No.) 48145-04-6</td>
<td>15-30</td>
<td>Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>1,6-hexanediol diacrylate (Note D)</td>
<td>(CAS-No.) 13048-33-4</td>
<td>3.521350932 38544 - 3.608289016 03632</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317</td>
</tr>
<tr>
<td>Stabilizer</td>
<td>(CAS-No.) 48145-04-6</td>
<td>0.5-5</td>
<td>Skin Sens. 1A, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>thfa</td>
<td>(CAS-No.) 75980-60-8</td>
<td>&lt;0.5</td>
<td>Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>hydroxypropyl acrylate, mixed isomers (Note C)(Note D)</td>
<td>(CAS-No.) 25584-83-2</td>
<td>0.043486436 4 - 0.130459309 2</td>
<td>Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words ‘non-stabilised’.

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.
### SECTION 5: Fire-fighting measures

- **5.1. Suitable (and unsuitable) extinguishing media**

- **5.2. Specific hazards arising from the chemical**
  - Fire hazard: Highly flammable liquid and vapour.
  - Reactivity: Highly flammable liquid and vapour.

- **5.3. Special protective equipment and precautions for fire-fighters**
  - Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**
  - **6.1.1. For non-emergency personnel**
    - Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

- **6.1.2. For emergency responders**
  - Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

- **6.2. Environmental precautions**
  - Avoid release to the environment.

- **6.3. Methods and material for containment and cleaning up**
  - Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
  - Other information: Dispose of materials or solid residues at an authorized site.

- **6.4. Reference to other sections**
  - For further information refer to section 13.

### SECTION 7: Handling and storage

- **7.1. Precautions for safe handling**
  - Precautions for safe handling: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
  - Hygiene measures: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

- **7.2. Conditions for safe storage, including any incompatibilities**
  - Technical measures: Ground/bond container and receiving equipment.
  - Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### SECTION 8: Exposure controls/personal protection

- **8.1. Control parameters**
  - **2-phenoxyethyl acrylate (48145-04-6)**
    - Not applicable
  - **1,6-hexanediol diacrylate (13048-33-4)**
    - Not applicable
  - **Stabilizer (48145-04-6)**
    - Not applicable
  - **thfa (75980-60-8)**
    - Not applicable
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<table>
<thead>
<tr>
<th>Hydroxypropyl acrylate, mixed isomers (25584-83-2)</th>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0.5 ppm</td>
</tr>
</tbody>
</table>

8.2. **Appropriate engineering controls**
Appropriate engineering controls: Ensure good ventilation of the work station.
Environmental exposure controls: Avoid release to the environment.

8.3. **Individual protection measures/Personal protective equipment**

**Hand protection:**
Protective gloves

**Eye protection:**
Safety glasses

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
[In case of inadequate ventilation] wear respiratory protection.

**SECTION 9: Physical and chemical properties**

9.1. **Information on basic physical and chemical properties**

- **Physical state:** Liquid
- **Colour:** No data available
- **Odour:** No data available
- **Odour threshold:** No data available
- **pH:** No data available
- **Melting point:** Not applicable
- **Freezing point:** No data available
- **Boiling point:** No data available
- **Flash point:** No data available
- **Relative evaporation rate (butylacetate=1):** No data available
- **Flammability (solid, gas):** Not applicable.
- **Vapour pressure:** No data available
- **Relative vapour density at 20 °C:** No data available
- **Relative density:** No data available
- **Solubility:** No data available
- **Log Pow:** No data available
- **Auto-ignition temperature:** No data available
- **Decomposition temperature:** No data available
- **Viscosity, kinematic:** No data available
- **Viscosity, dynamic:** No data available
- **Explosive limits:** No data available
- **Explosive properties:** No data available
- **Oxidising properties:** No data available

9.2. **Other information**
No additional information available

**SECTION 10: Stability and reactivity**

10.1. **Reactivity**
Highly flammable liquid and vapour.

10.2. **Chemical stability**
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity (oral)</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**2-phenoxyethyl acrylate (48145-04-6)**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 5000 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Female, Experimental value, Oral, 14 day(s))</th>
</tr>
</thead>
</table>

**Stabilizer (48145-04-6)**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 5000 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Female, Experimental value, Oral, 14 day(s))</th>
</tr>
</thead>
</table>

**thfa (75980-60-8)**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 2000 mg/kg (Rat; Literature)</th>
</tr>
</thead>
</table>

**hydroxypropyl acrylate, mixed isomers (25584-83-2)**

<table>
<thead>
<tr>
<th>ATE US (oral)</th>
<th>100 mg/kg bodyweight</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (dermal)</td>
<td>300 mg/kg bodyweight</td>
<td></td>
</tr>
<tr>
<td>ATE US (vapours)</td>
<td>3 mg/l/4h</td>
<td></td>
</tr>
<tr>
<td>ATE US (dust,mist)</td>
<td>0.5 mg/l/4h</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects after skin contact : May cause an allergic skin reaction.

**SECTION 12: Ecological information**

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

**2-phenoxyethyl acrylate (48145-04-6)**

<table>
<thead>
<tr>
<th>LC50 fish 1</th>
<th>10 mg/l (Equivalent or similar to OECD 203, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Lethal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>1.21 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>10 (≥ 0) mg/l</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish</th>
<th>EC50 Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stabilizer (48145-04-6)</td>
<td>10 mg/l (Equivalent or similar to OECD 203, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Lethal)</td>
<td>1.21 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)</td>
</tr>
<tr>
<td>thfa (75980-60-8)</td>
<td>1 - 10 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 48 h; Oryzias latipes)</td>
<td>10 - 100 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)</td>
</tr>
<tr>
<td>Stabilizer (48145-04-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>thfa (75980-60-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydroxypropyl acrylate, mixed isomers (25584-83-2)</td>
<td>10 - 22 mg/l (96 h, Leuciscus idus)</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

2-phenoxyethyl acrylate (48145-04-6)
Persistence and degradability: Not readily biodegradable in water.

1,6-hexanediol diacrylate (13048-33-4)
Persistence and degradability: Inherently biodegradable.

Stabilizer (48145-04-6)
Persistence and degradability: Not readily biodegradable in water.

thfa (75980-60-8)
Persistence and degradability: Not readily biodegradable in water. No (test)data on mobility of the substance available.

hydroxypropyl acrylate, mixed isomers (25584-83-2)
Persistence and degradability: Inherently biodegradable.

12.3. Bioaccumulative potential

2-phenoxyethyl acrylate (48145-04-6)
Log Pow: 2.58 (room temperature, Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

1,6-hexanediol diacrylate (13048-33-4)
Bioaccumulative potential: No bioaccumulation data available.

Stabilizer (48145-04-6)
Log Pow: 2.58 (room temperature, Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

thfa (75980-60-8)
BCF fish 1: < 40 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; Cyprinidae sp.)
Bioaccumulative potential: Low potential for bioaccumulation (BCF < 500).

hydroxypropyl acrylate, mixed isomers (25584-83-2)
Bioaccumulative potential: No bioaccumulation data available.

12.4. Mobility in soil

2-phenoxyethyl acrylate (48145-04-6)
Surface tension: 53.6 mN/m (23 °C, Experimental value, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil: No (test)data on mobility of the substance available.

Stabilizer (48145-04-6)
Surface tension: 53.6 mN/m (23 °C, Experimental value, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil: No (test)data on mobility of the substance available.

12.5. Other adverse effects

No additional information available
### SECTION 13: Disposal considerations

**13.1. Disposal methods**

- Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Additional information: Flammable vapours may accumulate in the container.

### SECTION 14: Transport information

**Department of Transportation (DOT)**

- In accordance with DOT
- Not applicable

**Transportation of Dangerous Goods**

- Not applicable

**Transport by sea**

- Not applicable

**Air transport**

- Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxyethyl acrylate (48145-04-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313</td>
</tr>
<tr>
<td>1,6-hexanediol diacrylate (13048-33-4)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Stabilizer (48145-04-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313</td>
</tr>
<tr>
<td>thfa (75980-60-8)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory EPA TSCA Regulatory Flag PMN - PMN - indicates a commenced PMN substance.</td>
</tr>
<tr>
<td>hydroxypropyl acrylate, mixed isomers (25584-83-2)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Acrylic Resin</td>
<td>Not listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Aerosil R-972 (68611-44-9)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>A-131 Carbonyl Metallic (7439-89-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

No additional information available
SECTION 16: Other information

Full text of H-statements:

<table>
<thead>
<tr>
<th>H-number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child.</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H402</td>
<td>Harmful to aquatic life</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

SDS US - Polymeric US

Polymeric US urges the customer receiving this safety data sheet to study it carefully to become aware of the hazards, if any, in the product. In the interest of safety, the customer should (1) notify your employees, agents and contractors of the information included in this SDS and (2) furnish a copy to each of your employees, customers and agents.

Polymeric US makes no warranty, express or implied, as to the accuracy or reliability of information contained herein, except that such information is, to the best of Polymeric US's knowledge and belief, accurate as of the date indicated on this document. Final determination of suitability of material is the sole responsibility of the user. All the materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.