1. PRODUCT AND COMPANY IDENTIFICATION
- Product Name: MPG-HR, MPG-HRC
- Product Use: Plastic Purge Compounds

-Supplier
Mold Components Division, MISUMI Die & Mold Business Company, MISUMI Corporation
Iidabashi First Bldg., 5-1, Koraku 2-chome, Bunkyo-ku, Tokyo 112-8583, Japan
TEL: +81-3-5805-7190
FAX: +81-3-5805-7191
Administrative Number: MPG-HR, MPG-HRC_ENG

2. HAZARDS IDENTIFICATION
GHS CLASSIFICATION:
PHYSICAL AND CHEMICAL HAZARDS: not applicable
HEALTH TOXICITY: not applicable
HAZARDOUS TO THE AQUATIC ENVIRONMENT: not applicable

GHS LABEL ELEMENTS:
Pictograms: None
Signal word: None
Hazard statements: None

Note:
【Safety measures】
Do not handle until you read and understand all safety precautions.
When using this product, avoid the use of fire, and try to organize it.
The mass after using this product should be cooled and discarded as soon as possible with water.
Because gas is generated from this high temperature product, it is used in a good ventilation area.

【Emergency measures】
If swallowed, after washing the mouth well. If abnormality is felt, seek medical attention.
When inhaled, move to a fresh place of air and rest in an easy breathing posture.
If you get into your eyes, rinse thoroughly with water for a few minutes. Remove the contact lens and wash it.
If irritation persists in the eyes, seek medical attention.
If you feel sick while you are working, stop working immediately and rest quickly in good ventilation.
If abnormality is felt, seek immediately medical attention.

【Disposal】
Please entrust the contents and the container to a specialized waste disposal contractor who received the permission of the prefectural governor.

3. CONPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

- **MPG-HR**

<table>
<thead>
<tr>
<th>Component</th>
<th>% By Weight</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olefin-based resin</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Methacryl-based resin</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Inorganic additive</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Resin additive</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
</tbody>
</table>

- **MPG-HRC**

<table>
<thead>
<tr>
<th>Component</th>
<th>% By Weight</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olefin-based resin</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Methacryl-based resin</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Inorganic additive</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Resin additive</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
<tr>
<td>Perfume</td>
<td>industrial secrets</td>
<td>non-disclosure</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Eyes:**
Flush eyes, including under the eyelids, with large amount of water.
If irritation persists, seek medical attention.

**Skin:**
Wash thoroughly with mild soap and water.

**Ingestion:**
Induce vomiting and wash a mouth well. Seek medical attention.

**Inhalation:**
Remove to fresh air. Seek medical attention if symptoms persist.
5. FIRE FIGHTING MEASURES
EXTINGUISHING MEDIA: Water spray, water-jet and other various fire extinguishers
SPECIFIC HAZARDS/TOXICITY AT FIRE: There is no information as yet
FIRE-FIGHTING INSTRUCTIONS: Nothing in particular
PROTECTION TO FIRE-FIGHTERS: Perform it from windward and wear a tool for protection by all means

6. ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTION: When both pellets and powders are spilled on the floor, promptly clean to prevent slipping
ENVIRONMENTAL NOTES: Due to possible adverse affects to fish, birds, etc., Immediately clean up any material that may have spilled into bodies of water
REMOVAL METHOD: Sweep with vacuum cleaner, broom, etc., and dispose of properly
PREVENTIVE MEASURE OF SECONDARY DISASTER: None

7. HANDLING AND STORAGE
Handling: Thought there is less likelihood of pellets igniting under normal temperatures, avoid any fire/ignition sources in the vicinity of the product and perform adequate housekeeping to keep the surrounding clean
Storage:
SUITABLE STORAGE CONDITION: Away from high temperatures and high humidity, heat. Avoid direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
CONTROL OF CONCENTRATION: Not established
PERMISSION OF CONCENTRATION: Not established
PROTECTION MEASURES:
Respiratory organ: It’s not usually necessary, but wears mask (for organic gas) as needed
For hand: Wear oilproof gloves when touch for a long time or repeatedly
For eye: Wear glasses when pellets is scattered
For skin & body: Work wear with long sleeves is recommended when molten resin is handled

9. PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Solid
Shape: Pellet
Color: No coloration
Odor: MPG-HR: Unscented at the normal temperature. Specific slight odor when melting temperature.
    MPG-HRC: A faint aroma at the normal temperature.
    Pleasant aroma when melting temperature

Decomposition temperature: 400°C (in ten minutes)
Melting point: No date
    Softening point is 150°C
Volutility: None
Explosion properties: None
Solubility: insoluble (Water)

10. STABILITY AND REACTIVITY
Stability: This product is stable under all normal condition of storage.
    Hazardous polymerization will not occur.
Conditions to avoid: Avoid using outside the specified range for the use temperature
Material to avoid: No date

11. TOXICOLOGICAL INFORMATION
Acute Toxicity: 1. Oral: Classification
    2. Dermal: Classification
    3. Inhalation (gases): Classification
    4. Inhalation (vaper): Classification

    Skin Corrosion/Imitation: No date available
    Serious Eye Damage/Eye imitation: No date available
    Respiratory or Skin Sensitization: No date available
    Germ Cell Mutagenicity: No date available
    Carcinogenicity: No date available
    Reproductive Toxicity: No date available
    Specific Target Organ/Systemic Toxicity (single exposure): No date available
    Specific Target Organ/Systemic Toxicity (repeated exposure): No date available
    Respiratory Toxicity by Inhalation: No date available

12. ECOLOGICAL INFORMATION
Mobility: No date available
Residual/Degradability: No date available
Bioaccumulativity: No date available
Ecotoxicity: No date available

13. DISPOSAL CONSIDERATION
Refer to all federal, state and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

LAND TRANSPORT
ADR, RID, DOT
Class: Not applicable
Packing group: Not applicable
UN Number: Not applicable
Proper Shipping Name: MISUMI PURGE (Plastic Purge Compounds)

SEA TRANSPORT
IMDG
Class: Not applicable
Packing group: Not applicable
UN Number: Not applicable
Proper Shipping Name: MISUMI PURGE (Plastic Purge Compounds)

AIR TRANSPORT
ICAO/IATA
Class: Not applicable
Packing group: Not applicable
UN Number: Not applicable
Proper Shipping Name: MISUMI PURGE (Plastic Purge Compounds)

15. OTHER INFORMATION
All reasonable care has been taken in the preparation of the information contained herein, the manufacturer extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser’s intended purposes or for consequences of its use.