

MATERIAL SAFETY DATA SHEET

JUNE.28, 2019

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

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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 ENVIROMENT: 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

Component	% By Weight	CAS Number
Olefin-based resin	industrial secrets	non-disclosure
Methacryl-based resin	industrial secrets	non-disclosure
Inorganic additive	industrial secrets	non-disclosure
Resin additive	industrial secrets	non-disclosure

•MPG-HRC

Component	% By Weight	CAS Number
Olefin-based resin	industrial secrets	non-disclosure
Methacryl-based resin	industrial secrets	non-disclosure
Inorganic additive	industrial secrets	non-disclosure
Resin additive	industrial secrets	non-disclosure
Perfume	industrial secrets	non-disclosure

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 effects 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

Volatility: 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.