SAFETY DATA SHEET

Issue Date 30-May-2023 **Revision date 06**-JAN-2026 I-MARV_ P-series, S-series _US5.0(EN)_20260106IF

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name I-MARV P-series, S-series
Safety data sheet number: I-MARV_ P-series, S-series _US5.0(EN)_20260106IF

Recommended use of the chemical and restrictions on use

Recommended Use Machinery, mechanical appliances, electrical/electronic articles

Manufacturer

Company name: Idemitsu Formosa Specialty Chemicals Corporation.
Company address: Formosa Industrial Complex No.1-1, 638501 Mai Liao Yunlin, Taiwan
Telephone: +886-5-681-8610
Fax: +886-5-681-2065

Emergency telephone number

Emergency Telephone +1 866 928 0789 (toll free)
+1 215 207 0061 (NCEC's Americas regional number.)

SECTION 2: Hazards identification

Classification

This product and its ingredients are not considered hazardous in accordance with 29CFR 1910.1200 (OSHA Hazcom 2012)

Label elements

s product and its ingredients are not considered hazardous in accordance with 29CFR 1910.1200 (OSHA Hazcom 2012)

Emergency Overview

This product and its ingredients are not considered hazardous in accordance with 29CFR 1910.1200 (OSHA Hazcom 2012)

Appearance Pellet **Physical state** Solid **Odor** Odorless

Hazards not otherwise classified (HNOC)

• Not Applicable

Other Information

• Dust can explode
• Dust may form explosive mixtures with air.
• Take action to prevent static discharges. (P243)

SECTION 3: Composition/information on ingredients

chemical name	CAS No	weight-%
HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED	69430-35-9	＞99.0

SECTION 4: First aid measures

first aid measures

General advice If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye contact Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

INHALATION Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

INGESTION Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

Self-protection of the first aider Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Dry chemical. Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Explosion Data
Sensitivity to Mechanical Impact none.
Sensitivity to Static Discharge none.

Protective equipment and precautions for firefighters
Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.
Take measures against static electricity as there is a possibility of dust explosion due to static electricity.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible materials No information available.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Guidelines .

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Solid		
Appearance	Solid (flakes and minute grainy)	**Odor**	Odorless
Color	colorless	**Odor Threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	No information available	No information available
melting point	100℃（P-100, S-100, S-100R）, 110℃（S-110） 125℃（P-125）, 140℃ (P-140)	
Initial boiling point and boiling range	No information available	
flash point	192℃（S-100R）194℃（P-100） 196℃（S-100） 213℃（P-125） 220℃（S-110） 247℃（P-140）	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air	No information available	
Upper flammability limits	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	
vapor density	No information available	
relative density	1.0~1.1 g/cm3 (@20℃)	
Water solubility	No information available	
Solubility(ies)	Insoluble in water.	
Partition coefficient	No information available	
Autoignition temperature	＞370℃	
Decomposition temperature	250℃~330℃	
Viscosity	No information available	

Other Information
Not Applicable

SECTION 10: Stability and reactivity

Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability
Stable under normal conditions.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to avoid
Exclude sources of heat, sparks and open flame.

Incompatible materials
No information available.

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

SECTION 11: Toxicological information

Information on likely routes of exposure

Product Information
LD50 oral : > 2000 mg/kg (I-MARV P-125)

INHALATION	No data available.
Eye contact	No data available.
Skin Contact	No data available.
INGESTION	No data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	Not classified Not mutagenic in AMES Test. (I-MARV P-125)
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

SECTION 12: Ecological information

Ecotoxicity

No information available.

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility
No information available.

Other adverse effects No information available

SECTION 13: Disposal considerations

Waste treatment methods

Disposal of wastes	Improper disposal or reuse of this container may be dangerous and illegal.
Contaminated packaging	Do not reuse container.
US EPA Waste Number	P056

This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14: Transport information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG	Not regulated
ADR	Not regulated
IBC	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated
Proper shipping name	Not regulated
CATEGORY	Not regulated

SECTION 15: Regulatory information

US Federal Regulations

TSCA

This product complies with applicable rules or orders under TSCA.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

This product may contain California Proposition 65 substances at concentration levels below those required to be classified as hazardous by OSHA's Hazard Communication Standard (29 CFR 1910.1200). Contact Idemitsu Formosa Specialty Chemicals Corporation. If you need specific information regarding status of this product with regard to California Proposition 65.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

SECTION 16: Other information

Disclaimer

The information contained in this document is created based on the materials, data, and information that are available to us at this time of writing. However, we assume no warranty regarding composition, physical and chemical properties, and hazards of product and its ingredients. Precautionary statements are only applicable when this product is used under normal conditions. Please note that it is responsibility of user to determine and take appropriate safety measures when the product is not used for the purpose specified in this document.

This product is a resin pellet, and those substances mixed and kneaded in the product will not scatter or disperse in the air. Also, the hazard statements listed in this SDS have been determined based on the criteria for mixtures.

End of Safety Data Sheet