

Safety Data Sheet According to Regulation (EC) No's 1907/2006, 1272/2008 and Amendments

Date of issue: 18 December 2023

Version No.: 2.0

Revision No.: 0.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: lupilon H-2000UR 5313
Product code (SDS No): GEU IUPILON039
Other means of identification: Polycarbonate resin component.

1.2. Relevant identified uses of the substance/mixture and uses advised against:

Use: Plastic for injection or extrusion molding.
Uses advised against: Uses other than those specified by the manufacturer.

1.3. Details of the supplier of the safety data sheet:

Manufacturer Mitsubishi Engineering-Plastics Corp.,
Address: Environment and Quality Assurance Department,
Shiodome Sumitomo-Bldg. 25F, 9-2, Higashi-shinbashi 1-
Chome, Minato-ku, Tokyo 105-0021, Japan
Tel.: +81-3-6274-9060
Fax: +81-3-6274-9085
Email: MCJP-MBX-MEP_HO_SDS@mchcgr.com

EU Supplier/Importer:

MEP Europe GmbH
Address: Schiessstr. 30, Geb.18 40549 Düsseldorf
Germany
Tel.: +49-211-52054-20
Fax: +49-211-52054-272
Email: safety@mepeu.com

1.4. Emergency telephone number:

+49-211-52054-20 (business hours GMT+1).

SECTION 2: Hazards identification

This product is not classified as hazardous, hence classification according to Regulation (EC) No 1272/2008 and its amendments is not applicable. Safety Data Sheets, in accordance with Annex II and Article 32 of Regulation EC 1907/2006, do not have to be provided for non-hazardous products, however this information is provided as a courtesy to our customers in a similar format for ease of use.

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 (including amendments):

Not classified.

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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard pictograms: None.

Signal word: None.

Hazard statements: None.

Precautionary statements: None.

Supplemental EU hazard information: None.

2.3. Other hazards Dust may produce explosive mixture with air.

2.4. Additional information:

The mixture has been determined to be not classified on the basis of available information in accordance with the classification requirements under Regulation (EC) 1272/2008.

Substances of this mixture do not meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.

Substances of this mixture have not been identified as having endocrine disrupting properties.

according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Ingredients not listed are either classified as non-hazardous or are present at concentrations below reportable levels.

No REACH registration numbers are because the annual tonnages do not require a REACH registration.

SECTION 4: First aid measures

4.1. Description of first aid measures

Ingestion: Rinse mouth thoroughly with water and give milk or water to drink. Call a poison centre or doctor if you feel unwell. Do not induce vomiting, unless instructed by medical personnel.

Skin contact: If dust, or vapour, or condensation products from heated product, contacts the skin, wash off well with soap and water. If skin irritation or rash occurs, get medical attention. Take off contaminated clothing and wash before re-use. If molten resin contacts the skin, immediately cool with plenty of water and seek medical treatment. Do not try to remove adhered resin.

Eye contact: Immediately rinse cautiously with water for several minutes (at least 15 minutes is recommended), occasionally parting eyelids to

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ensure thorough washing. Remove contact lenses, if present and easy to do. Continue rinsing.
If irritation persists, get medical advice/attention.

Inhalation: Remove the victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult or respiratory symptoms are experienced, get medical attention.

First Aider Protection: Wear appropriate hand/skin/eye/face protection and respiratory protection (if exposure to vapour is to be expected) as specified in Section 8 "Exposure controls/personal protection".

4.2. Most important symptoms and effects, both acute and delayed

General advice: Dust from processing, and vapour from heated resin, may irritate the eyes, skin and respiratory system.

Ingestion: No information available.

Skin contact: No information available.

Eye contact: No information available.

Inhalation: No information available.

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

Treatment should be based on the judgement of the doctor in response to the symptoms of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Water spray, foam, and dry sand are recommended.

Unsuitable Extinguishing Media: Carbon dioxide gas lacks cooling capacity, with the possibility of re-ignition.

5.2. Special hazards arising from the substance or mixture.

Not classified as flammable but is a combustible thermoplastic material which will melt and drip when ignited.

During a fire will produce strong heat, black smoke, and toxic gases, including carbon dioxide, carbon monoxide and traces of aliphatic and aromatic hydrocarbons, aldehydes, acids, phenol and phenol derivatives.

Dust may produce explosive mixture with air.

5.3. Advice for firefighters

Fire-fighting personnel must wear approved self-contained breathing apparatus and full protective clothing as standard.

Evacuate personnel to a safe windward position.

Cool exposed containers with water spray.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency measures

6.1.1. For non-emergency personnel

For large spills, wear full personal protection.

Keep unauthorised personnel from the spillage area.

May cause slip hazard.

Ventilate area and avoid creating airborne dust.

Take precautionary measures against static discharge and use non-sparking equipment. Follow prescribed procedures for responding to large spills and reporting to authorities.

6.1.2. For emergency responders

Ensure adequate ventilation.

Immediately establish a suitable distance in all directions as leak area and cordon off with rope/tape.

6.2. Environmental precautions

Prevent product from entering water courses or drainage system.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Clean up spill as soon as possible.

6.3.2. For cleaning up

For small quantities, wipe off with cloth or paper, and wash affected area with water and detergent.

For large quantities, carefully sweep up or collect using vacuum cleaner. Wash contaminated surfaces with water and detergent, and collect washings for safe disposal. Place waste in a container for disposal.

6.4. Reference to other sections

For details on extinguishing media, see Section 5

For details on personal protection, see Section 8.

For details disposal of waste from clean up operations, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Utilise engineering controls and wear protective gloves/protective clothing/eye protection/face protection as specified in "Section 8 Exposure controls/personal protection". Avoid skin and eye contact, and inhalation of any dust, or vapor during heat processing. Dust that develops from processing may cause dust explosion hazard.

Always clean up dust.

Keep away from sources of ignition.

Use only non-sparking equipment.

When processing molten resin, use protective equipment to prevent burns.

In order to avoid hazardous decomposition, purged plastics should be cut into small, flat forms to allow rapid cooling.

Do not allow molten resin to remain in container at elevated temperature for long periods.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Avoiding direct sunlight.

To prevent fire, keep away from heat, flame, and sources of ignition.

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- 7.3. Specific end use(s)**
None. The material is safe to use as intended.

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters**
- 8.1.1. Occupational Exposure Limits:** None established for the product, or components of the product.
- 8.1.2. Biological Limit Value:** None established for the product.
- 8.1.3. PNECs and DNELs:** None established for the product.
- 8.2. Exposure controls**
- 8.2.1. Appropriate engineering controls**
Good general ventilation is recommended for handling the product.
For processing, where dust or vapour might be formed, local exhaust ventilation or use in a closed system is recommended.
Emergency shower and eye wash stations should be available in areas where this product is handled and stored.
- 8.2.2. Individual protection measures, such as personal protective equipment**
Respiratory protection: In areas with poor ventilation, it is recommended that dust masks or respirators equipped with an organic vapour cartridge are worn. EN149 as a minimum standard.
Eye protection: Wear protective glasses with side shields safety goggles or facemask. EN166: 2002 as a minimum standard.
Skin protection: Wear chemical resistant protective gloves. EN374 as minimum standard.
Wear protective work clothing with long sleeves and trousers and apron where more extensive contact may occur.
Hygiene measures: Wash hands thoroughly after handling, before intermissions and after work.
Contact PPE manufacturer regarding breakthrough times.
Take off contaminated clothing and before reuse.
Do not eat, drink or smoke when using this product.
- 8.2.3. Environmental exposure controls**
Do not allow product to enter drains, sewers or watercourses.

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties**
- | | |
|-----------------------------------------------------------------|---------------|
| Physical state | Solid, pellet |
| Colour | Not available |
| Odour | None |
| Melting point/freezing point | Not available |
| Boiling point or initial boiling point and boiling range | Not available |
| Flammability | Combustible |
| Lower and upper explosion limit | Not available |

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Flash point	>550°C
Auto-ignition temperature	Not available
Decomposition temperature	Begins at 380 °C
pH	Not available
Kinematic viscosity	Not applicable
Solubility	Insoluble in water
Partition coefficient n-octanol/water (log value)	Not available
Vapour pressure	Not available
Density and/or relative density	1.2 to 1.3
Relative vapour density	Not available
Particle characteristics	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosives	Not available
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidising gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Not applicable
Flammable solids	Combustible
Self-reactive substances and mixtures	Not self-reactive
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	
Substances and mixtures, which emit flammable gases in contact with water	Not available
Oxidising liquids	Not applicable
Oxidizing solids	Not expected to be oxidising
Organic peroxides	Not applicable
Corrosive to metals	Not applicable
Desensitised explosives	Not applicable

9.2.2. Other safety characteristics No other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

No hazardous polymerisation.

10.4. Conditions to avoid

High temperatures, sources of ignition, and strong sunlight.

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10.5. Incompatible materials

Strong acids, alkalis, or oxidizing agents.

10.6. Hazardous decomposition products

Smoldering or incomplete combustion leads to the formation of toxic gas mixture, including carbon dioxide, carbon monoxide and traces of aliphatic and aromatic hydrocarbons, aldehydes, acids, phenol and phenol derivatives.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Not classified due to lack of data.

Skin corrosion/irritation: Not classified due to lack of data.

Serious eye damage/irritation: Not classified due to lack of data.

Respiratory or skin sensitisation:

Respiratory sensitisation: Not classified due to lack of data.

Skin sensitisation: Not classified due to lack of data.

Germ cell mutagenicity: Not classified due to lack of data.

Carcinogenicity: Not classified due to lack of data.

Reproductive toxicity: Not classified due to lack of data.

STOT-single exposure: Not classified due to lack of data.

STOT-repeated exposure: Not classified due to lack of data.

Aspiration hazard: Not classified due to lack of data.

Information on likely routes of exposure

Eye, oral, dermal, inhalation.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

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

No information available.

Interactive effects

No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Substances of this mixture have not been identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

11.2.2. Other information

No other information available

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SECTION 12: Ecological information

- 12.1. Toxicity**
Hazards to aquatic environment: Not classified.
- 12.2. Persistence and degradability** Not expected to be readily biodegradable.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate.
- 12.4. Mobility in soil** Not available
- 12.5. Results of PBT and vPvB assessment**
Substances of this mixture do not meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.
- 12.6. Endocrine disrupting properties**
Substances of this mixture have not been identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.
- 12.7. Other adverse effects**
No other information available.

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods**
- 13.1.1. Residual wastes**
Incineration may be suitable for this product. Alternatively consign waste to an industrial waste disposer. Disposal via the drains or landfill is not recommended. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC.
- 13.1.2. Contaminated containers and packaging**
Completely remove any residual product from the packaging or containers before disposal. Consign waste to an industrial waste disposer
- 13.2. Other information:**
No other information.

SECTION 14: Transport information

- 14.1. UN number or ID number** Not applicable – Not regulated as dangerous goods.
- 14.2. UN proper shipping name** Not applicable.
- 14.3. Transport hazard class(es)** Not applicable.
- 14.4. Packing group** Not applicable.
- 14.5. Environmental hazards** Not classified as marine pollutant/environmentally hazardous.
- 14.6. Special Precautions for user** Not available.
- 14.7. Maritime transport in bulk according to IMO instruments** Not applicable.

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SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No's 1907/2006, 1272/2008 and amendments.

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

EU regulations

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) and its adaptations

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors – Not listed

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) – Not listed

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals – Not listed

Candidate List of Substances of Very High Concern for Authorization – Not listed

REACH - List of substances subject to Authorization (Annex XIV) - Not listed

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer – Not listed

Regulation (EC) No 850/2004 on persistent organic pollutants – Not listed

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances – Not listed

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other information

Date of preparation: 18 December 2023

Methods of evaluation:

The classification of the product is based on the available data for the product and using data for the neat substances with the application of relevant concentration limits, in accordance with Regulation (EC) No 1272/2008.

References:

ECHA Guidance on the compilation of safety data sheets. Version 4.0. December 2020

Regulation 1272/2008 on Harmonised Classification and Labelling for Certain Hazardous Substances.

Regulation (EC) No. 1907/2006 of The European Parliament and of The Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Supplier information.

Abbreviations:

DNEL: Derived No Effect Level

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted No Effect Concentration.

vPvB: Very persistent and very bioaccumulative.

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Disclaimer:

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.