

# AsahiKASEI CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

Product name: LEONA™ 1200, 1200S, 1202, 1300, 1300F, 1302S, 1400

Issue date: 10-13-2022

Version #: 01

SDS No: 2394

## SECTION 1 Chemical product and company identification

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chinese name of chemical               | 聚酰胺树脂混合物LEONA™ 1200, 1200S, 1202, 1300, 1300F, 1302S, 1400                                                                                                                                                                                                                                                                                                                                                                                                                            |
| English name of chemical               | LEONA™ 1200, 1200S, 1202, 1300, 1300F, 1302S, 1400                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Company                                | ASAHI KASEI CORPORATION<br>Hibiya Mitsui Tower, 1-1-2, Yurakucho, Chiyoda-ku, Tokyo 100-0006, Japan<br><a href="https://www.asahi-kasei-plastics.com/products/leona/">https://www.asahi-kasei-plastics.com/products/leona/</a><br>Industrial Materials Sales & Marketing Dept.<br>+81-3-6699-3388<br>+81-3-6699-3472(FAX)<br>Automotive Materials Sales&Marketing Dept.<br>(Nagoya)<br>+81-52-212-2133<br>+81-52-212-2229(FAX)<br>(Tokyo)<br>+81-3-6699-3389<br>+81-3-6699-3471 (FAX) |
| Technical Service                      | Performance Plastics Application Development Promotion Dept.<br>+81-44-271-2650                                                                                                                                                                                                                                                                                                                                                                                                       |
| Emergency Call                         | +86-4004-2035-72(Verisk 3E)<br>+86-4001-2001-74(Verisk 3E)<br>+1-760-476-3960(Verisk 3E)                                                                                                                                                                                                                                                                                                                                                                                              |
| ACCESS Code                            | 335643                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Contact                                | ASAHI KASEI PLASTICS(SHANGHAI) CO.,LTD<br>+86-21-6391-5252<br>+86-21-6391-5886(FAX)<br>ASAHI KASEI PLASTICS(HONG KONG) CO.,LTD<br>+852-2151-4000<br>+852-2116-4300(FAX)<br>ASAHI KASEI PLASTICS(GUANGZHOU) CO.,LTD<br>+86-20-8527-1616<br>+86-20-8527-1700(FAX)                                                                                                                                                                                                                       |
| Recommended use and Limitations on use |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Recommended use                        | Plastic raw material for home electronics, electronic materials, automotive materials, industrial materials, etc.                                                                                                                                                                                                                                                                                                                                                                     |
| Limitations on use                     | Please do not use our product for the following use.<br>Medical containers, packaging, tools and parts that come into contact with body, mucous membranes, body fluids, blood, medicinal solution, etc.<br>Containers, packaging tools and parts that come into contact with food, drinking water, etc.<br>Toys that touch mouth.                                                                                                                                                     |
| Issue date                             | If you will export this product to other countries, check with us beforehand.<br>10-13-2022                                                                                                                                                                                                                                                                                                                                                                                           |

## SECTION 2 Hazards identification

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Emergency overview      | Thermal burn hazard - contact with hot material may cause thermal burns. |
| GHS hazard categories   | Not classified.                                                          |
| Label elements          |                                                                          |
| Pictograms              | None.                                                                    |
| Signal word             | None.                                                                    |
| Hazard statement        | None.                                                                    |
| Precautionary statement |                                                                          |
| Prevention              | Wear suitable protective clothing. Use only with adequate ventilation.   |
| Response                | Get medical advice/attention if you feel unwell.                         |

|                               |                                                                                                                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety storage                | Keep container tightly closed. Store away from incompatible materials.                                                                                                                             |
| Disposal                      | Dispose of waste and residues in accordance with local authority requirements.                                                                                                                     |
| Physical and chemical hazards | The product is stable and non-reactive under normal conditions of use, storage and transport. No unusual fire or explosion hazards noted.                                                          |
| Health hazards                | Molten material will produce thermal burns. May be irritating to eyes.                                                                                                                             |
| Environmental hazards         | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| Other hazards                 | This product may emit gases in molten state.                                                                                                                                                       |
| Supplemental information      | None.                                                                                                                                                                                              |

SECTION 3 Composition/information on ingredients

|                   |                   |            |  |
|-------------------|-------------------|------------|--|
| Substance/mixture | Mixture           |            |  |
| Chemical name     | Concentration (%) | CAS Number |  |
| 聚酰胺 66            | >90               | 32131-17-2 |  |
| Polyamide 66      |                   |            |  |
| 着色剂               | < 5               | -          |  |
| Colorant          |                   |            |  |

SECTION 4 First aid measures

|                                              |                                                                                                                                                                                                                                                         |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                   | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                                                                                     |
| Skin contact                                 | If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention if irritation develops and persists. |
| Eye contact                                  | Rinse with water. Get medical attention if irritation develops and persists.                                                                                                                                                                            |
| Ingestion                                    | If swallowed, rinse mouth with water (only if the person is conscious).<br>Get medical advice/attention.                                                                                                                                                |
| Most important symptoms and health effects   | Thermal burn hazard - contact with hot material may cause thermal burns.                                                                                                                                                                                |
| Personal protection for first-aid responders | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                                                                                        |
| Notes to physician                           | Treat symptomatically.                                                                                                                                                                                                                                  |

SECTION 5 Fire-fighting measures

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| Extinguishing media              | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
| Extinguishing media to avoid     | None.                                                                                         |
| Specific hazards                 | During fire, gases hazardous to health may be formed. (CO, HCN, NH3, CO2)                     |
| Special fire fighting procedures | None.                                                                                         |
| Protection of fire-fighters      | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| General fire hazards             | Will burn if involved in a fire.                                                              |
| Specific methods                 | Use standard firefighting procedures and consider the hazards of other involved materials.    |

SECTION 6 Accidental release measures

|                                                                     |                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures |                                                                                                                                                                                                                                                            |
| For non-emergency personnel                                         | Wear appropriate personal protective equipment.                                                                                                                                                                                                            |
| For emergency responders                                            | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.                                                                                                                                                              |
| Environmental precautions                                           | Do not discharge into drains, water courses or onto the ground. Avoid release to the environment. Collect and dispose of spillage as indicated in section 13 of the SDS.                                                                                   |
| Clean-up methods and materials and containment measures             | The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS. |
| Prevention of secondary hazards                                     | Clean up promptly by sweeping or vacuum.                                                                                                                                                                                                                   |

## SECTION 7 Handling and storage

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | <p>Do not handle until all safety precautions have been read and understood. See Section 8 of the SDS for Personal Protective Equipment.</p> <p>When handling molten resin, Use only in area provided with appropriate exhaust ventilation. Check molding conditions: <a href="https://www.asahi-kasei-plastics.com/en/products/forming/leona/">https://www.asahi-kasei-plastics.com/en/products/forming/leona/</a> May be ignited by open flame. Avoid heat, sparks, open flames and other ignition sources. Take precautionary measures against static discharges.</p> <p>Practice good housekeeping. In case of spills, beware of slippery floors and surfaces. Avoid contact with hot material. Cool skin rapidly with cold water after contact with molten polymer. Avoid breathing fumes from molten polymer.</p> |
| <b>Storage</b>  | <p>Store away from incompatible materials (see Section 10 of the SDS).</p> <p>Store in a cool, dry place out of direct sunlight.</p> <p>Do not handle or store near an open flame, heat or other sources of ignition.</p> <p>Take precautionary measures against static discharges.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## SECTION 8 Exposure controls/personal protection

### Exposure limits

China OELs. Occupational Exposure Limits for Hazardous Agents in the Workplace, Chemical Hazardous Agents (GBZ 2.1-2007)

| Material                                           | Type   | Value   | Form                              |
|----------------------------------------------------|--------|---------|-----------------------------------|
| LEONA™ 1200, 1200S, 1202, 1300, 1300F, 1302S, 1400 | PC-TWA | 8 mg/m3 | Particles not otherwise regulated |

**Comments:** GBZ2.1-2019

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Monitoring methods** Follow standard monitoring procedures.

**Engineering measures** Provide adequate general and local exhaust ventilation.

### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** When handling hot material, use heat resistant gloves.

**Eye protection** Wear eye/face protection.

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

**Hygiene measures** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Do not eat, drink or smoke when using the product.

## SECTION 9 Physical and chemical properties

### Appearance

**Physical state** Solid.

**Form** Pellets.

**Color** Various.

**Odor** Slight.

**pH** Not applicable.

**Melting point/freezing point** 491 - 518 °F (255 - 270 °C)

**Boiling point, initial boiling point, and boiling range** Not applicable.

**Flash point** > 752.0 °F (> 400.0 °C)

**Explosive limit - lower (%)** Not applicable.

**Explosive limit - upper (%)** Not applicable.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** 1.0 - 1.2

**Density** Not available.

### Solubility(ies)

**Solubility (water)** Insoluble

**Partition coefficient (n-octanol/water)** Not applicable.

**Auto-ignition temperature** > 752 °F (> 400 °C)

**Decomposition temperature** > 572 °F (> 300 °C)

**Flammability (solid, gas)** Not available.

**Other data**

**Dynamic viscosity** Not applicable.

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

## SECTION 10 Stability and reactivity

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

**Stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid temperatures exceeding the decomposition temperature.  
Contact with incompatible materials.

**Incompatible materials** Strong acids. Oxidizing agents.

**Hazardous decomposition products** At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Toxic gas. (HCN, NH<sub>3</sub>)

## SECTION 11 Toxicological information

**Acute toxicity** Due to partial or complete lack of data the classification is not possible.

**Routes of exposure** Skin contact. Eye contact.

**Symptoms** Molten material will produce thermal burns. Irritation of eyes.

**Skin corrosion/irritation** Due to partial or complete lack of data the classification is not possible.

**Serious eye damage/eye irritation** Due to partial or complete lack of data the classification is not possible.

**Respiratory or skin sensitization**

**Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.

**Skin sensitizer** Due to partial or complete lack of data the classification is not possible.

**Germ cell mutagenicity** Due to partial or complete lack of data the classification is not possible.

**Carcinogenicity** Due to partial or complete lack of data the classification is not possible.

**Toxic to reproduction** Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity following single exposure** Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity following repeated exposure** Due to partial or complete lack of data the classification is not possible.

**Aspiration hazard** Due to partial or complete lack of data the classification is not possible.

**Chronic effects** Not available.

## SECTION 12 Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulation**

**Mobility in soil** The product is immiscible with water and will sediment in water systems.

**Other hazardous effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13 Disposal considerations

**Residual waste** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**Local disposal regulations** Dispose of contents/container in accordance with local/regional/national/international regulations. Contract with a disposal operator licensed by the Law on Disposal and Cleaning.

## SECTION 14 Transport information

**CNDG**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**SECTION 15 Regulatory information****Law of the People's Republic of China on Prevention and Control of Occupational Diseases**

Not regulated.

**Regulations on the Control over Safety of Dangerous Chemicals**

Not regulated.

**Other regulations**

This safety data sheet conforms to the following laws, regulations and standards:  
Measures for the Safe Use of Chemicals in Workplaces  
General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009 )  
Regulations on Labor Protection in Workplaces Where Toxic Products Are Used  
Packing Symbol of Dangerous Goods(GB190-2009)  
Regulations on the Control over Safety of Dangerous Chemicals  
Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008)  
Packing - Pictorial Marking for Handling of Goods (GB/T191-2009)

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

**SECTION 16 Other information****References**

EPA: AQUIRE database  
GB6944-2012: Classification and Code of Dangerous Goods.  
GB12268-2012: List of Dangerous Goods.  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents

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