

Safety data sheet

1 Identification

Product identifier	SMILE Zipper bags
Company name	Okayama Plant, Okura Products Co., Ltd.
Address	630 Takamatsuharakosai, Kita-ku, Okayama City, Okayama Prefecture
Phone number	(+81)86-287-3211

2 Hazard identification

GHS classification of chemicals	Not applicable
GHS label elements	
• Pictograms or hazard symbols	Not applicable
• Signal word	No information
• Hazard statement	No special matters for GHS classification.
• Precautionary statement	No special matters for GHS classification.

3 Composition/information on ingredients

Substance/Mixture	mixture
Chemical identity of the substance	PE system
CAS number	9002-88-4
Synonym	LDPE
Concentrations	LDPE >99%

4 First-aid measures

Inhalation	If the gas generated from hot molten resin is heavily inhaled, transfer it to a fresh place of air. If the affected person is breathing and vomiting, the head should be placed side-by-side. Should any respiratory symptoms develop, immediately take care of the physician.
If on Skin	Usually no particular problem, but keep it washed off with soapy water. If skin irritation or rash occurs, consult a physician for diagnosis/treatment. If the melt adheres to the skin, apply a large amount of water from above the clothing and cool thoroughly. Never peel off any polymer or clothing stuck to the skin and immediately consult a doctor.
If in Eye	Immediately wash with normal water for at least 15 minutes. When washing, open the eyelids well with your fingers, if possible, and wash them so that the water is distributed all the way to the eyes

Ingestion	and all the way to the corners of the eyelids. If you are using contact lenses, remove them and wash the eyes unless they are sticky. If foreign body sensation remains in the eye, seek immediate attention from an ophthalmologist. Wash the mouth with water, let a few cups of water or milk drink, and consult a doctor immediately. Insert fingers into the throat and allow to exhale, if possible. Nothing should be given through the mouth if the affected person is unconscious.
Special notice to doctor	nothing special

5 Fire-fighting measures

Suitable extinguishing media	Atomized water, powder fire extinguisher, foam fire extinguisher, CO2 fire extinguisher, dry sand, etc.
Unsuitable extinguishing media	Water spouting in a rod shape
Specific hazards	It may be thermally decomposed under fire conditions and mixed with air to generate an explosive air-fuel mixture.
Specific methods	Cut off the combustion source of the fire source and extinguish the fire from the windward side with a large amount of water or a fire extinguishing agent.
Special protective equipment for fire-fighters	When extinguishing a fire, be sure to wear protective equipment according to the situation.

6 Accidental release measures

Personal precautions	Prohibit persons other than those concerned from entering the area by placing a rope around the leaked area.
Protective equipment and emergency procedures	When working, wear protective equipment and avoid contact and inhalation of dust. Caution should be exercised in spilled areas because they are slippery. Since it does not degrade in the environment for a long period of time, it is responsible for environmental pollution, but since the aqueous solubility of the polymer is negligible, the toxicity to aqueous organisms appears to be weak.

Environment precautions

It is not released into rivers or other materials so as not to cause environmental effects. In order to prevent marine organisms and birds from ingesting, they should not be dumped or released in any oceans or waters. If there is a risk of re-scattering due to rain and wind, cover with sheets, etc., and take care not to spill into sewage, rivers, sea areas, etc.

Methods and materials for containment and cleaning up

Scatter is collected by sweeping and collected into paper bags or drums, etc. Be careful not to cause the cleaner to disperse dust. If it leaks in the molten state, cool it with water, etc., solidify it, and then collect it.

7 Handling and storage

Handling

• Technical measures

Unsparkle safety instruments to be used. Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools. Static electricity may be generated during machining. Install static eliminators in necessary places as appropriate. Handling areas should be ventilated and use of fire, sparks, or hot materials around them should be prohibited. It is necessary to prevent fire from occurring due to solvent or other flammable substances. Wear appropriate protective equipment because the tip of the film becomes sharp and may damage the skin, etc. In the case of a heavy object, it is necessary to use an appropriate jig for protecting the hands and feet and preventing low back pain. Hand washing, eye washing, etc. are provided near the handling place, and hand, face, etc. are washed thoroughly after handling.

• Safety precautions

Be careful to remove the film from the walking area so that the person does not fall over. Do not cover head or face with film as it may suffocate.

• Contact avoidance

Avoid contact with strong oxidizers, heat sources and ignition sources.

Storage

- Safe Storage Conditions
- Safe packaging materials

Avoid contact with strong oxidizers,
heat sources and ignition sources.
Paper or cardboard packaging

8 Exposure controls/personal protection

Protective equipment

- Respiratory protection
- Hand protection
- Eye protection
- Skin and body protection

Dustproof mask
Protective gloves
Protective goggles
Wearing long-sleeved work clothes,
safety shoes and helmet

9 Physical and chemical properties

Physical state	Film
Color	transparent
Odor	Negligible odor
Boiling point or initial boiling point and boiling range	No data
Flammability	No data
Lower and upper explosion limit/flammability limits	No data
Flash point	>340°C
Auto-ignition temperature	No data
Decomposition temperature	No data
pH	No data
Kinematic viscosity	No data
Vapour pressure	No data
Density and/or relative density	0.910~0.950 (g/cm ³)
Relative vapour density	No data
Particle characteristics	No data

10 Stability and reactivity

Reactivity	Reacts with oxidants.
Chemical stability	It is stable at room temperature and has poor reactivity.
Possibility of hazardous reactions	Partially pyrolyzes at high temperatures such as melting.
Conditions to avoid	Avoid storage in a hot and humid atmosphere.
Incompatible materials	Avoid contact with the fire source.
Hazardous decomposition products	Avoid mixing and contact with strong oxidants.

11 Toxicological information

Acute toxicity	No data
Skin corrosion/irritation	No data
Serious eye damage/irritation	May be scratched by physical contact
Skin sensitization	No data
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
Specific target organ toxicity (Single exposure)	No data
Specific target organ toxicity (Repeated exposure)	No data
Aspiration hazard	No data

12 Ecological information

Eco toxicity	No data
Persistence and degradability	stable
Bio accumulative potential	It is difficult to differentiate and is stable, so it accumulates in the natural world.
Mobility in soil	No data
Hazardous to the Ozone Layer	No data

13 Disposal considerations

Information on safe and environmentally desirable disposal or recycling of chemicals, contaminated containers and packages	Dispose of in accordance with laws and regulations stipulated as industrial waste. Incineration treatment is carried out using facilities and methods that comply with legal regulations. Disposal of waste shall be entrusted to a specialized industrial waste disposal contractor with the permission of the prefectural governor.
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14 Transport information

Special Safety Measures Concerning Transportation or Means of Transportation	Avoid water leaks and rough handling to prevent the packaging material from tearing.
Regulations in Japan	Since it falls under the designated combustibles under the Fire Service Act, it will be transported by container and loading method in accordance with the law.

15 Regulatory information

Regulations in Japan

Article 9-3 of the Fire Service Act
Designated flammable goods
"Synthetic resins (others)" 3000kg or more

16 Other information

Restrictions

Descriptions are based on currently available data, information, and data, but they do not provide any assurance regarding content, physical and chemical properties, hazards, etc. This SDS gathers up-to-date information on the safe handling of industrial products in general, but is not entirely available.
Since precautions are intended for normal handling, special handling should be performed after implementing appropriate safety measures for the intended use and application.
If new information is obtained, it may be added or corrected.