

Eco Research Institute Ltd.

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAPKA (S-1311)
PRODUCT DESCRIPTION: Mixture, consisting of paper, polypropylene, Polyolefin Copolymer polyolefin copolymer and calcium stearate
(Not regulated by the Chemical Substances Control Law of Japan)
MANUFACTURER: Eco Research Institute (English Name)
K Kankyo Keiei Sogo Kenkyusho (Japanese Name)
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Issue Date: July, 2022
Supersedes Date: Initial Issue
Product Use: Injection Molding Material

SECTION 2: Composition/Information on Hazardous Ingredients

Composition

ingredient name	weight%	CAS No.
Paper fiber (cellulose)	51	9004-34-6
Polypropylene	28.8	9010-79-1
Polyolefin copolymer	13	9010-79-1
Titanium oxide	5	13463-67-7
Calcium stearate	2	1592-23-0
Antioxidant	0.2	6683-19-8

There are no known hazardous components above regulatory threshold in this product.

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor and Color: Slightly paper odor, white (Slightly Beige)

General Physical Form: Solid

Immediate health, physical, and environmental hazards:

The environmental properties of this product present a low environmental hazard. This product, when used under reasonable conditions and in accordance with the ERI directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

No health effects are expected.

Skin Contact:

No health effects are expected.

Inhalation:

No health effects are expected.

Ingestion:

No health effects are expected.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: No need for first aid is anticipated.

Skin Contact: No need for first aid is anticipated.

Inhalation: No need for first aid is anticipated.

If Swallowed: No need for first aid is anticipated.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	N/A
Flash Point	250-350°C
Flammable Limits - LEL	N/A
Flammable Limits - UEL	N/A

5.2 EXTINGUISHING MEDIA

Water, CO₂, foam or media suitable for surrounding fire.

5.3 PROTECTION OF FIRE FIGHTERS

Not known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Not applicable.

SECTION 7: HANDLING AND STORAGE**7.1 HANDLING**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

7.2 STORAGE

Store out of direct sunlight, high temperature, moisture, humidity, fire and heat. No outdoor storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Eye/Face Protection**

Avoid eye contact.

8.2 Skin Protection

Not applicable.

8.3 Respiratory Protection

Not applicable.

8.4 Prevention of Swallowing

Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor and Color :	Slightly paper odor, white (Slightly Beige)
General Physical Form:	Solid
Autoignition temperature:	N/A
Flash Point:	250-350°C
Flammable Limits – LEL:	N/A
Flammable Limits – UEL:	N/A
Specific Gravity:	1.02-1.20
Melting point:	150-165°C
Solubility in Water:	Nil

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	None Known
Incompatible Materials:	None Known
Hazardous Decomposition Products:	None
Possibility of Hazardous Reactions:	None

SECTION 11: TOXICOLOGICAL INFORMATION

There are no known hazardous components above regulatory threshold in this product.

SECTION 12: ECOTOXICOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not applicable.

CHEMICAL FATE INFORMATION

Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of waste material according to Local, State, Federal, and Provincial environmental regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated by any Japanese transportation law.

SECTION 15: REGULATORY INFORMATION

Labor and Welfare Law Notification Object Titanium oxide

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.