

Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 7. and The EU CLP REGULATION (EC) No 1272/2008

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: Glass Ball
Product Model: /

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Glass Ball
Use advised against: /

1.3 Details of the Manufacture or supplier

Supplier: Nordtek Imexco Kft
Address: 1142 Budapest, Szőnyi út 21/a
Telephone: +36 1 363 1447
E-mail: info@allinpackaging.com

1.4 Emergency telephone number

Emergency Telephone: +86-571-64827114

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as hazardous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

2.2 GHS Label elements, including precautionary statements

Pictogram(s): No pictogram is used.
Signal Word: No signal word is used.
Hazard Statement: No hazard statement.
Precautionary statements : No precautionary statement.

2.3 Description of any hazards not otherwise classified

No additional information available. This product is regarded as articles, safe for consumer during normal handling. Fragile.

Handle with care. Avoid skin scratched by debris.

Section 3 - Composition/Information on Ingredient

Substance ☐ Preparation ☐ Article ☒

Composition:

Chemical name	CAS No.	Content (%)
Silicon dioxide SiO ₂	7631-86-9	70.28%
Sodium oxide Na ₂ O	1313-59-3	9.12%
Diboron trioxide B ₂ O ₃	1303-86-2	6.56%
Aluminium trioxide Al ₂ O ₃	1344-28-1	6.30%
Calcium oxide CaO	1305-78-8	3.29%
Potassium oxide K ₂ O	12136-45-7	1.95%
Magnesium oxide MgO	1309-48-4	0.056%

Note: CAS No. is Chemical Abstract Service Registry Number.

Section 4 - First Aid Measures

4.1 Description of first aid measures:

Eye Contact: Cannot be contacted by eyes, no special measures required.

Skin Contact: Generally the product is safe for skin contact. If scratched by debris, remove all debris, disinfect and bandage treatment.

Inhalation: Cannot be inhaled, no special measures required.

Ingestion: Ingestion is unlikely under normal conditions. If largely ingested, seek medical attention if discomfort.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 -Extinguishing media

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishes media suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture

This product itself does not burn. No special fire and explosion hazard.

5.3 Advice for firefighters

As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting.

5.4 Further information :

No information available.

Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures:

If debris exists, suggesting wear suitable protective gloves to avoid being scratched.

6.2 Environmental precautions:

No special environmental precaution measures required.

6.3 Methods and materials for containment and cleaning up:

Pick up or sweep up mechanically. No special measure required.

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

As article, no special measure required for normal consumer usage.

Fragile. Handle with care. Avoid skin scratched by debris.

7.2 Conditions for safe storage, including any incompatibilities:

No special storage precaution measure required.

Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits: Not established by US OSHA and ACGIH.

8.2 Exposure controls

Engineering Control: Not required for consumer under normal usage.

Personal protective equipment:

Respiratory Protection: Respiratory protection is not required.

Eyes Protection: Not required for consumer under normal usage.

Body Protection: Not required for consumer under normal usage.

Hands Protection: Not required for consumer under normal usage.

Other Protections: Not required for consumer under normal usage.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Round
Odor	Odorless
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	This product itself does not burn.
Evaporation rate	Not applicable.
Flammability	This product itself does not burn.
Upper explosive limit % (V/V)	No special fire and explosion hazard.
Lower explosive limit % (V/V)	No special fire and explosion hazard.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	Not available.
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Viscosity	Not available.

Section 10 - Stability and Reactivity

10.1 Stability: Stable under normal storage temperature and pressure.

10.2 Conditions to Avoid: No data available.

10.3 Incompatible materials: No data available.

10.4 Hazardous Decomposition Products: No known hazardous decomposition normally.

10.5 Possibility of hazardous reactions: None hazardous reactions known under normal condition.

Section 11 - Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No known irritating effect.
Serious Eye Damage/Eye Irritation :	No known irritating effect.
Respiratory or Skin Sensitization	No sensitizing effects known.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity :	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.
Reproductive Toxicity :	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	No known human health effects upon single exposure.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No known human health effects upon repeated exposure.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	This product is regarded as articles, safe for consumer during normal handling.
Inhalation:	Cannot be inhaled.
Skin Contact:	Safe for direct contact normally. Fragile. Handle with care. Avoid skin scratched by debris.
Eye Contact:	No known irritating effect.
Ingestion:	Ingestion is unlikely under normal conditions.

Section 12 - Ecological Information

12.1 Toxicity

Expected to be nonhazardous to environment under normal usage.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No bioaccumulative potential

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No known ecological damage caused by this product.

Section 13 - Disposal Considerations

Waste treatment methods

Product

Non hazardous waste. Recycle if possible. As for big quantity, Observe according to the national and local related regulations.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

14.1 UN Number :

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

14.2 UN proper shipping name:

ADR/RID, IMDG, IATA Not dangerous goods

14.3 Transport hazard class(es):

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

14.4 Packing group:

Not regulated as dangerous goods.

ADR/RID, IMDG, IATA

14.5 Environmental hazards: No.

14.6 Special precautions for user : No information available.

Section 15 - Regulatory Information

EU Regulations

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified.

US Regulations

OSHA: OSHA Hazard Communication Standard Status: This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

USA SARA

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Additional Information

Abbreviations:

pH-	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
OSHA-	Occupational Safety and Health Administration
NTP-	National Toxicology Program
IARC-	International Agency for Research on Cancer
CAS#-	Chemical Abstract Service number - used to uniquely identify chemical compounds
ACGIH-	The American Conference of Governmental Industrial Hygienists
ADR-	Agreement on Dangerous Goods by Road
IATA -	International Air Transport Association

IMDG- International Maritime Dangerous Goods

Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200).

-The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Department Issuing MSDS: Hangzho Rainbow Packaging Co., Ltd.

Issue Date: March 25, 2023

End of MSDS

Material Safety Data Sheet(MSDS)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PP(Polypropylene)

Other Name: -

Recommended use : May be used to produce molded or extruded particles or as a component of other industrial products.

2. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4) : HEALTH=1 FIRE=1 REACTIVITY=0

EC CLASSIFICATION (CALCULATED) : No classification assigned.

EMERGENCY OVERVIEWS :

Solid pellets with slight or no odor. Spilled pellets create slipping hazard.

Can burn in a fire creating dense toxic smoke. Molten plastic can cause severe thermal burns.

Fumes produced during melt processing may cause eye, skin and respiratory tract irritation.

Secondary operations, such as grinding, sanding or sawing, can produce dust which may present an explosion or respiratory hazard.

POTENTIAL HEALTH EFFECTS :

EYE : Product may cause irritation or injury due to mechanical action.

SKIN : Pellets not likely to cause skin irritation.

INGESTION : Not acutely toxic.

INHALATION : Pellet inhalation unlikely due to physical form.

CHRONIC / CARCINOGENICITY :

NTP : Not Tested

OSHA : Not Regulated

IARC : Not Listed

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	Content (%)	<u>CAS Number</u>	Exposure Limits In Air		
			ACGIH TLV-TWA	ACGIH TLV-STEL	IDLH
Polyolefin	99.25wt%	9010-79-1	10mg/m ³ (inhalable fraction)	NA	NA
Proprietary additives	≤0.75wt%	mixture	-	-	-

4. FIRST AID MEASURES

MEDICAL RESTRICTIONS :

EYE : Remove contact lenses at once. Immediately flush eyes well with copious quantities of water or normal saline for at least 15-20 minutes. If irritation persists, seek medical attention.

SKIN : seek medical attention if rash or burn occurs.

INGESTION : Not probable. If a large amount is swallowed, seek medical attention.

INHALATION : Not Likely to be inhaled due to physical form.

MELT PROCESSING :

For molten plastic skin contact, cool rapidly flush with water and immediately seek medical attention.

Do not attempt removal of plastic without medical assistance. Do not use solvent for removal.

For processing fume inhalation irritation, leave contaminated area and breathe fresh air. If coughing, difficult breathing or any other symptoms develop seek medical attention at once, even if symptoms develop at a later time.

For skin contact with fume condensate, immediately wash thoroughly with soap and water. If irritation develops seek medical attention.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING :

Approved pressure demand breathing apparatus and protective clothing should be used for all fires. Water spray is the preferred extinguishing medium. This product will melt but will not be carried on the surface for water.

EXTINGUISHING MEDIA :

Water spray and foam, Water is the best extinguishing medium. Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition.

HAZARDOUS COMBUSTION PRODUCTS :

Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide, oxides of phosphorus, hydrogen cyanide, hydrocarbon fragments, hydrogen fluoride, carbonyl fluoride and fluorocarbon fragments.

FLASH POINT: Not Applicable

LOWER FLAMMABLE LIMIT : Not Established

UPPER FLAMMABLE LIMIT : Not Established

AUTOIGNITION : Not Established

FLAMMABILITY CONDITIONS : Requires a continuous flame source to ignite and sustain combustion.

EXPLOSION DATA : Not Established

IMPACT SENSITIVITY : Not sensitive to mechanical impact.

STATIC DISCHARGE : Not sensitive to static discharge. (See Section 7)

6. ACCIDENTAL RELEASE MEASURES

GENERAL :Sweep or gather up material and place in preper container for disposal or recovery. (See Section 13)

7. HANDLING AND STORAGE

HANDLING :

Follow recommendations on label and in processing guide. Prevent contact with skin and eyes. Use good industrial hygiene proctices. Provide adequnte ventilation. Secondary operations such as grinding, sanding or sawing may produce a dust explosion hazard. Use aggressive housekeeping activities to prevent dust accumulation; employ bonding, grounding, venting and explosion relief provisions in accordance with accepted engineering practices.

STORAGE :

Store in a dry place away from moisture, excessive heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS :

A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard and toxic;remove periodically from exhaust hoods, duct work amd othwr suricaces using appropriate personal protection. For piwders and residual dusts refer to Section 7.

PERSONAL PROTECTION :

EYE/FACE : Wear safety glasses with side shields or chemical goggles. In addition, use full face shield when cleanning processing fume condensates from hoods,ducts and other surfaces.

RESPIRATORY : When handling fumes are not adequstely controlled, use respirator approved for protection from organic vapors and acid gases. When dust or powder from secondary operations, such as grinding, sanding or sawing, are not adequately controlled use respirator approved for protection from dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Solid

COLOR AND APPEARANCE : Plastic pellet with slight odor

BOILING POINT : Not Applicable

MELTING POINT (°C) : 160 170

VAPOR PRESSURE (mmHg) : Negligible

VAPOR DENSITY (Air=1) : Not Applicable

SPECIFIC GRAVITY : 1.40 1.60

WATER SOLUBILITY : Insoluble

SOLVENT SOLUBILITY : Slightly soluble in strong polar slovent or chlorinated solvents

% VOLATITLES :Negligible

pH :Not Applicable

ODOR THRESHOLD :Not Established

EVAPORATION RATE :Negligible

EVAPORATION RATE :Negligible

COEFFICIENT WATER / OIL DISTRIBUTION : Not Established

COMMENT: This product does not exhibit a sharp melting point, but softens gradually over a wide temperature range.

10. STABILITY AND REACTIVITY

STABILITY : Stable under recommended conditions of Section 7

REACTIVITY : Not reactive under recommended conditions of handling, storage, processing and use.

CONDITIONS TO AVOID :

Do not exceed melt temperature recommendations in product literature.

In order to avoid autolgnition/hazardous decomposition of hot thick meases of plastic, purgings should be collected in small, flat shapes or thin strands to allow for rapid cooling and quenching in water.

Do not allow product to remain in barrel at elevated temperatures for extended periods of time ; purge with a general purpose resin. (See Section 8 for respiratory protection advice)

HAZARDOUS DECOMPOSITION :

Major decomposition gases are oxidized hydrocarbons (probably carbon monoxide) and steam. Minor components in decomposition gas may be aldehyde, phenolic compounds, etc.

11. TOXICOLOGICAL INFORMATION

Not Available

12. ECOLOGICAL INFORMATION

Not expected to present any significant ecological problems

13. DISPOSAL CONSIDERATIONS

RCRA HAZARDOUS WASTE :

Products is not a RCRA hazardous waste.

WASTE DISPOSAL :

Recycling is encouraged. Landfill or incinerate in accourdance with federal, state and local requirements. Collected processing fume condensates and incinerator ash should be tested to determine waste classification.

14. TRANSPORT INFORMATION

DOT HAZARD CLASS: Not Regulated

PROPER SHIPPING NAME: Not Regulated

IDENTIFICATION NUMBER: Not Listed

TDGA: Not Listed

15. REGULATORY INFORMATION

Listed below are chemical substances subject to supplier notification requirements.

U.S. REGULATIONS :

TSCA INVENTORY STATUS : This product complies with the Chemical Substance Inventory requirements of the US EPA TSCA.

CERCLA SECTION 103 (40CFR302 : Not Listed

SARA SECTION 313 (40CFR372.65: Not Listed

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21)

ACUTE: Not Listed

CHRONIC: Not Listed

FIRE: Not Listed

REACTIVE: Not Listed

SUDDEN RELEASE : Not Listed

STATE REGULATIONS :

California Proposition 65 : Not Listed

EUROPEAN REGULATIONS :

EC NUMBER: Not assigned

16. OTHER INFORMATION

None

TECHNICAL INFORMATION SHEET

DATE: 2024-02-25

Product Description	Glass Jar and bottle
Product Reference No.	(product code)
Features	• non-toxic, • Flame Retardant • Good Stiffness • Good Strength • Halogen Free • High Impact Resistance • It is suitable for cosmetic packaging
Uses	• Consumer Applications • Electrical/ Electronic applications • Cosmetic applications • General Purpose • Industrial Applications

COMPOSITION/ INFORMATION ON INGREDIENTS:

Trade name	% in product	Chemical names/INCI name	CAS	% active in raw material
SiO2	72±4%		9003-07-0	72%
Al2O3	2±2%			2%
CaO	9±3%			9%
MgO	2±2%			2.5%
K2O+Na2O	14±3%			14.8%
Fe2O3	0.3±0.25%			0.4%

TECHNICAL PROPERTIES:

Index	Value
Appearance	Amber /Clear
The relative density (water=1 kg/dm3)	0.89~0.91 k g/dm3
Melting point(℃)	150~170
Decomposition temperature (℃)	350
Heat distortion temperature (℃)	100
Vicat softening temperature	150
MFR	1~40
Contractibility rate	1.8~2.5%