

TECHNICAL INFORMATION SHEET

ITEM: 108506, 108510

DATE: 2024-02-25

Product Description	SET - Jar, 30 ml/ 50 ml, brown, glass, roundy + Closure, black, aluminium coverage + Liner
Product Reference No.	108506, 108510
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
SiO ₂	72±4%		9003-07-0	72%
Al ₂ O ₃	2±2%			2%
CaO	9±3%			9%
MgO	2±2%			2.5%
K ₂ O+Na ₂ O	14±3%			14.8%
Fe ₂ O ₃	0.3±0.25%			0.4%

TECHNICAL PROPERTIES:

Index	Value
Appearance	Amber /Clear
The relative density (water=1 kg/dm ³)	0.89~0.91 k g/dm ³
Melting point(°C)	150~170
Decomposition temperature (°C)	350
Heat distortion temperature (°C)	100
Vicat softening temperature	150
MFR	1~40
Contractibility rate	1.8~2.5%

MSDS OF ALUMINUM INGOT

Section 1: Identification

Product Name: Aluminum ingot

HS Code: 76011090

Model: No data.

Trademark: No information.

Manufacturer/Supplier name: Hangzhou Rainbow Packaging Co., Ltd

Address: No. 242, Huanhu North Road, Qian-Dao-Hu Town, Chun-An, Zhejiang, China

Postal Code: 311700

Tel: +86-571-64818302

Fax: +86-571-64827114

Email: ruibo@ruipack.com.cn

Emergency Phone number: +86-18868123926

Section 2: Hazard identification

Classification of substances or mixtures: GHS classification according to the series of specifications for classification and labeling of chemicals (GB30000.2-29), this product is not a hazardous substance or mixture. No significant harm to health or environment under normal use.

Hazard pictogram: None.

Signal word: None.

Hazard Description: None.

Precautionary statement: None.

Other hazards: Do not mix with water. The fire produces toxic smoke.

Section 3: Composition / information on ingredients

Chemical name	CAS No.	Composition(%)
Aluminum	7429-90-5	100

Section 4: First-aid measures

Skin contact: Wash skin and hair with running water (soap if possible). If there is irritation, consult a doctor.

Eye contact: Do not attempt to remove particles that adhere to or are embedded in the eyes. Immediately seek emergency medical assistance or send to hospital for treatment.

Inhalation: If smoke, aerosol or combustion products are inhaled, transfer the patient out of the contaminated area.

Ingestion: Generally not applicable.

Section 5: Fire-fighting measures

Suitable extinguishing medium: Sand and inert dry powder fire extinguishers shall be used to extinguish fires caused by metal dust. Do not use water, carbon dioxide (CO₂) or foam fire extinguishers to extinguish the fire.

Specific hazards: Although metal powder is generally considered to be nonflammable, it can burn when the powder is very fine and provides high energy. Explosive reaction may occur in contact with water. It can be ignited by friction, heat, sparks or open flame. Metal dust fire moves slowly, but the fire is strong and difficult to put out. It will burn under strong heat, and the burning dust shall not be disturbed. If the dust is stirred to form a cloud, it may cause an explosion. Avoid oxygen (gas) channeling to the large hot metal surface. When heated (heated), the container may explode. Dust and smoke can form explosive mixtures with air. After the fire is extinguished, it may rekindle. The gas produced in the fire may be toxic, corrosive or irritating. Do not use water or foam to extinguish the fire, as explosive hydrogen may be generated.

Special protection for firefighters: Wear self-contained positive breathing apparatus and full protective tools.

Section 6: Accidental release measures

Personal protective measures, protective equipment and emergency measures: Avoid inhaling dust and contact with skin and eyes. Wear protective clothing, gloves, safety goggles and dust mask.

Environmental precautions: Stop leakage when it is safe. Do not allow the product to enter the sewer.

Methods and materials for containment and cleaning up: Immediately remove all spills. Ensure the loading safety under the safety permission. Bundle / collect recyclable products. Place the remaining material in a covered container for disposal.

Section 7: Handling and storage

Safe operation: Provide appropriate exhaust equipment where dust is generated.

Safe storage: Store in a cool place. Keep the container closed and store in a dry and ventilated place.

Section 8: Exposure controls/personal protection

Occupational exposure limit:

Source	Component	Substance name	TWA	STEL	Peak value
Occupational exposure limit for hazardous factors in the workplace in China	Aluminum	Aluminum dust	4mg/m ³	No info	No info

Engineering control: When solid substances are handled in powder or crystal form, local ventilation system is required. The ventilation system shall be designed to prevent particles from accumulating or circulating in the workplace.

Personal protective measures

Respiratory protection: Respiratory protection is not required. To protect against dust damage, use a N95 (US) or P1 (EN 143) dust mask. Respirators use respirators and parts that have been tested and passed government standards.

Eye protection: No eye protection is required. Wear chemical safety glasses when dust is present.

Skin and body protection: Ordinary work clothes.

Hand protection: Wear appropriate protective gloves.

Other protection: Operate in accordance with good industrial hygiene and safety practices. Wash hands before rest and at the end of work.

Section 9: Physical and chemical properties

Appearance: Silver ingot solid.

Odor: Odourless.

Odor threshold: No data.

PH: Not applicable.

Melting point: 660.37 °C.

Specific gravity: 2.71.

Boiling point: 2460 °C.

Flash point: Not applicable.

Evaporation rate: Not applicable.

Flammability: No data available.

Upper and lower flammability limit or explosion limit: Not applicable.

Vapor pressure: Not applicable.

Vapor density: Not applicable.

Relative density: No data available.

Solubility: No data available.

Octanol / water partition coefficient: No data available.

Spontaneous combustion temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

Section 10: Stability and reactivity

Stability: Stable under the recommended storage conditions.

Reactivity: Hazardous polymerization will not occur.

Taboos: Strong acid, strong oxidant, halogen/ halogenating agent.

Conditions to avoid contact: High temperature, heat source and ignition source.

Decomposition products: No harmful decomposition products will be produced under normal conditions. Combustion is the production of metal oxides, etc.

Section 11: Toxicological information

Acute toxicity: LD₅₀ >2000 mg/kg Rat Oral

Inhalation: Mechanical treatment of massive metal (such as cutting and grinding) may cause upper respiratory tract irritation.

Ingestion: Massive metals and their alloys are "locked" into the metal lattice; Therefore, it is not easy to be bioavailable after ingestion.

Skin: Unhealed wounds, abraded or irritated skin should not be exposed to this substance.

Eyes: Metal dust in contact with eyes may cause mechanical abrasion or scratch of cornea - these damages are often minor. However, foreign bodies entering the eyeball can cause infection or permanent visual impairment.

Chronic toxicity or long-term toxic effect: Metal dust produced by various industrial processes will have a variety of potential hazards to health. Large particles larger than 5 microns will stimulate the nasal cavity and throat, while smaller particles can reduce lung function. Particles smaller than 1.5 microns can be encapsulated in the lung and cause further serious adverse effects on health according to the characteristics of the particles.

Other information: No data.

Section 12: Ecological information

Ecological Toxicity: No data available.

Biodegradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other harmful effects: No data available.

Section 13: Disposal considerations

Disposal method: First, recycle or recycle as much as possible, and then dispose according to relevant national and local regulations.

Waste precautions: The facilities and places for waste treatment must comply with the national occupational safety, health and environmental protection standards.

Section 14: Transportation information

UN No.: Goods not classified as dangerous goods.

ADR, IMDG, IATA

UN special transport Name: Goods that are not dangerous goods.

ADR, IMDG, IATA

Transportation hazard level: Goods that are not dangerous goods.

ADR, IMDG, IATA

Packing grade: Goods that are not dangerous goods.

ADR, IMDG, IATA

Hazardous environment: None.

Special precautions for users: None.

Section 15: Regulatory information

This safety technical instruction complies with the requirements of GB/T 17519-2013. GHS classification is determined according to the series of specifications for classification and labelling of chemicals (GB30000.2-29).

There is no information on the specific safety, health and environmental regulations / rules for this substance or mixture.

Chemical safety assessment: No chemical safety assessment has been conducted for this product.

Section 16: Other information

Issue Time:2022-05-22

Issue department: Technical department

Other information:

This MSDS is prepared based on the information we can collect. However, the data and the assessment of hazards and toxicity are not guaranteed. Before use, please investigate the hazard and toxicity information, and give priority to the laws and regulations of the organization, region and country using the product.

In consideration of safety, the product should be used immediately after purchase. Some new information or amendments will be added later. If the product is used far beyond the warranty period or you have any questions, please contact us. The warnings stated apply only to normal use. In case of special use, sufficient care must be taken in addition to ordinary safety measures.

It should be noted that all chemicals have "unknown hazards and toxicity", which will vary greatly under different use and storage conditions. The product shall be used by experienced operators with professional knowledge or under the guidance of experts during the whole process from opening to storage to abandonment. Safe use conditions must be established based on the personal responsibility of each user.

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.
Manufacturer or supplier: Shanghai SECCO Petrochemical Company Limited
4/30F,A Building, Far East International Plaza
No.319, Xian Xia Road,Shanghai 200051 P.R. China
Emergency phone/fax : +86-21-52574688

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>	Cont nt (%)	<u>CAS Number</u>	Exposure Limits In Air		
			ACGIH TLV-TWA	ACGIH TLV-STEL	IDLH
Polyolefin	99.25wt%	9010-79-1	10mg/m3 (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 :

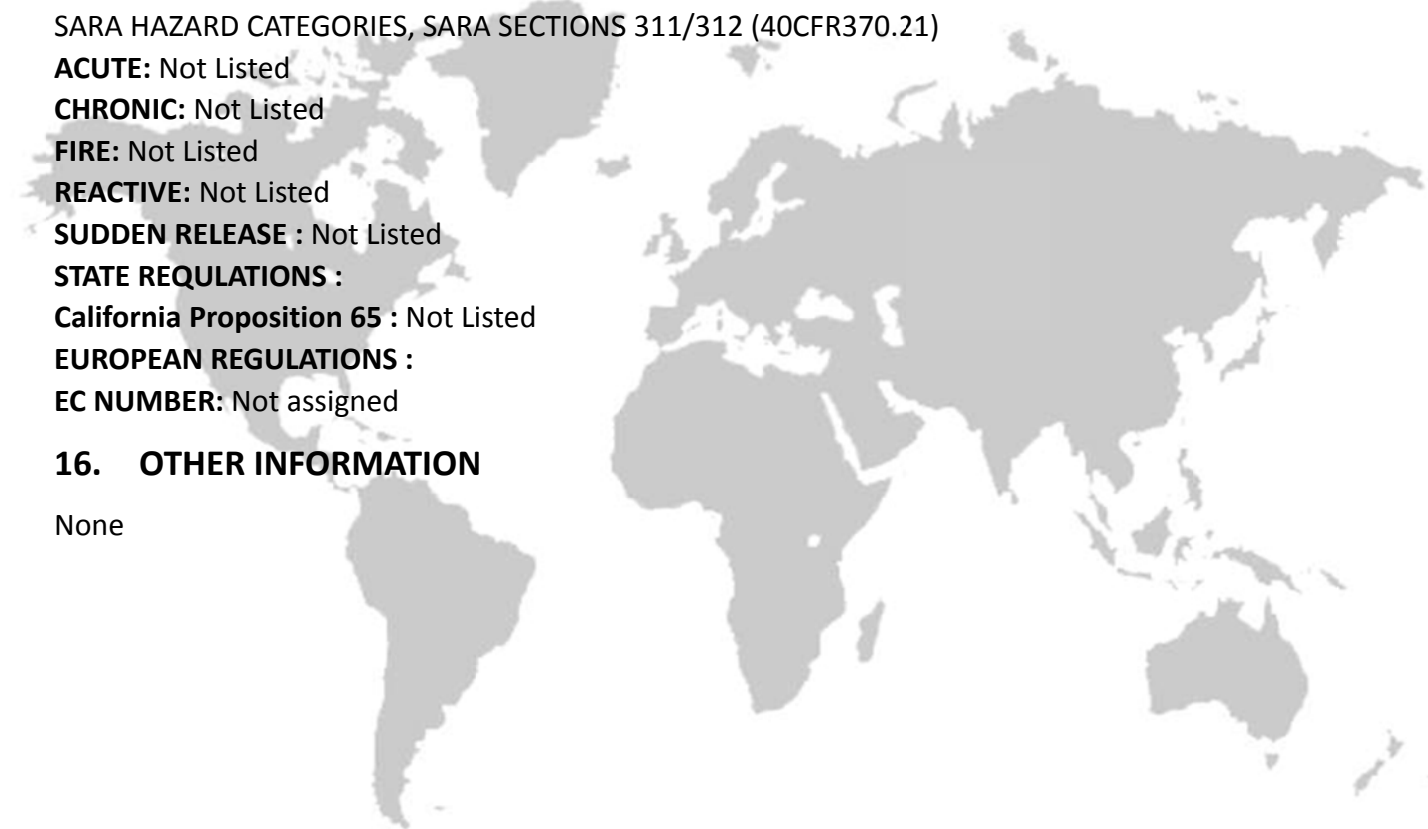
California Proposition 65 : Not Listed

EUROPEAN REGULATIONS :

EC NUMBER: Not assigned

16. OTHER INFORMATION

None



Material Safety Data Sheet (MSDS)

According to: ST/SG/AC.10/30/Rev.7(GHS)

Section 1 - Identification of the substance/preparation and of the company/undertaking Product Identifier

Product Specification

Product name : AMBER GLASS JAR AND CLEAR GLASS JAR
Model : 15G 30G 50G AND 5G
Item No. : /
Trade Name : AMBER GLASS JAR AND CLEAR GLASS JAR
Sample Nature : /
Export to : EUROPE
Chemical Uses : /
Transport Fashion : AIR/ SEA/ RAIL
Packaging Information : /

Relevant identified uses of the substance or mixture and uses advised against Identified uses: /

Details of the supplier of the safety data sheet

Applicant :
Address :
Contact Person :
Tel No. :
Emergency Telephone No. :
Email :



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High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945

Tel 4009008335

Annray Testing and Certification(Guangdong) Co., Ltd.

Section 2 - Hazards Identification

Classification of the substance or mixture
Classification according to GHS

Label elements

Pictogram : No data available.
Signal word : No data available.
Hazard statement(s) : The broken glass fragment is sharp, to scratch or cut a person's skin.
Precautionary statement(s) : No data available.

Other hazards

Physical and chemical hazards : See Section 10.
Human health hazards : See Section 11.
Environmental hazards : See Section 12.

Section 3 - Composition/Information on Ingredient

Chemical composition

Component	CAS No.	EC No.	CONTENT (%)
Silicon dioxide (SiO2)	14808-60-7	/	72±4%
Aluminum oxide (Al2O3)	1344-28-1	/	2±2%
Oxocalcium (CaO)	1305-78-8	/	9±3%
Magnesium oxide (MgO)	1309-48-4	/	2±2%
Dipotassium oxide (K2O)+Sodium oxide (Na2O)	K2O: 12136-45-7 Na2O: 1313-59-3	/	14±3%

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Section 4-First Aid Measures

Description of first aid measures

Eye Contact	:	Immediately flush eyes with plenty of water. Occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
Skin Contact	:	If cut the skin people should immediately flush skin with water and bind up. If irritation develops and persists, seek medical attention.
Ingestion	:	Insignificance.
Inhalation	:	Insignificance.
Personal protective equipment for first-aid responders	:	No further relevant information available.
Most important symptoms/effects, acute and delayed	:	No further relevant information available.
Indication of immediate medical attention and special treatment needed	:	Treat symptomatically.

Section 5 – Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media	:	The product is non-flammable.
Special hazards arising from the substance or mixture	:	No data available.
Advice for firefighters	:	No data available.

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Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

No special protection is required for normal use.

Environmental precautions

Keep spilled material out of sewers, ditches and bodies of water.

Methods and materials for containment and cleaning up

Sweep up and place in suitable containers for recycle or disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

Reference to other sections

Information on Safe Handling	: See Section 7.
Information on Personal Protection equipment.	: See Section 8.
Disposal Information	: See Section 13.

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Section 7 - Handling and Storage**Precautions for safe handling**

Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, when suspended in air, may be explosive. In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. To prevent dust storms, air transport pipes, bag filters and storage tanks need to install devices to eliminate static electricity and grounding, bag filters of the filter with conductive material. Avoid contact with eyes. Avoid breathing dust, vapor, mist, or gas. Do not eat, drink or smoke while handling the product. Keep away from sources of ignition.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated away from incompatible substances.

Keep away from sources of ignition. Do not store in direct sunlight. Temperatures in excess may cause resin degradation. Keep out of the reach of children.

Section 8 - Exposure Controls/Personal Protection**Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal Protective Equipment

Eyes Protection	: If this material is heated, wear chemical goggles or safety glasses and a face shield.
Skin Protection	: Use adequate hand protection during hot processing operations.
Body Protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respirators Protection	: No data available.
Other Protection	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands



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Section 9 - Physical and Chemical Properties

Physical State	: Transparent
Colour	: Transparent
Form	: Solid
Odour	: Odorless
pH	: No data available.
Melting point/freezing point	: No data available.
Boiling point or initial boiling point and boiling range	: No data available.
Flash point	: No data available.
Flammability (solid, gas)	: No data available.
Lower and upper explosion limit/flammability limit	: No data available.
Vapour pressure	: No data available.
Relative vapour density	: No data available.
Density/Relative density	: No data available.
Solubility	: No data available.
Partition coefficient	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Kinematic viscosity	: No data available.
Particle characteristics	: No data available.

Section 10 - Stability and Reactivity

Reactivity	: No data available.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous Polymerization Will not occur. Hazardous Reactions None under normal processing.
Conditions to avoid	: Incompatible materials. Ignition sources, excess heat.
Incompatible materials	: Strong oxidizing agents, strong acids, fluorine, chlorine, permanganates.
Hazardous decomposition products	: No data available.

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Section 11 - Toxicological Information

Information on toxicological effects

Acute Toxicity

Intraperitoneal, rat	: No data available.
Intravenous, rat	: No data available.
Oral, mouse	: No data available.
Oral, rat	: No data available.
Skin corrosion/irritation	: No data available.
Serious eye damage/eye irritation	: No data available.
Respiratory or skin sensitization	: No data available.
Germ cell mutagenicity	: No data available.

Carcinogenicity

Reproductive toxicity	: No data available.
Specific target organ toxicity - single exposure	: No data available.
Specific target organ toxicity - repeated exposure	: No data available.
Aspiration hazard	: No data available.

Potential Health Effects

Eye	: No special hazard risk under normal use. Dusts or particulates may cause mechanical irritation including pain, tearing, and redness. Vapours and fumes from burning material may cause irritation. Contact with the heated material may cause thermal burns.
Skin	: No special hazard risk under normal use. Dusts or particulates may cause mechanical irritation due to abrasion.
Ingestion	: Ingestion is an unlikely route of exposure; no hazard in normal industrial use. If ingested in sufficient quantity may cause injury such as gastrointestinal disturbances. May be a choking hazard.
Inhalation	: No data available.
Signs and Symptoms of Exposure	: No data available.

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Section 12 - Ecological Information

Toxicity	: No data available.
Persistence and degradability	: No data available.
Bioaccumulative potential	: No data available.
Mobility in soil	: No data available.
Results of PBT and vPvB assessment	: No data available.
Other adverse effects	: No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Waste from Residues / Unused Products	: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
Contaminated packaging	: Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

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Section 14 - Transport Information

Dangerous Goods No. : No details
Un number : No details
Package label : No details
Packing method : No details
Transport precautions : No details

Section 15 - Regulatory Information

Safety, health and environmental regulations specific for the product in question

Regulatory information : Reference to the local, national, US, EU, CA and international regulations.
Canada : Chemical composition is listed on Canada's DSL List.
US Federal : Toxic Substance Control Act (TSCA)
Chemical composition is listed on the TSCA Inventory.
China : Inventory of Existing Chemical Substances Produced or Imported in China
(IECSC)
Chemical composition is listed on the IECSC Inventory.

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Section 16 - Additional Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH	: American Conference of Governmental Industrial Hygienists.
CAS	: Chemical Abstracts Service.
DSL	: the Domestic Substances List of Canada.
EC	: European Commission.
IARC	: International Agency for Research on Cancer.
IATA	: International Air Transport Association.
IMDG	: International Maritime Dangerous Goods.
ADR	: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
RID	: Regulations Concerning the International Carriage of Dangerous Goods by Rail.
LD50	: Lethal dose, 50 percent kill.
NDSL	: the Non-domestic Substances List of Canada.
NIOSH	: US National Institute for Occupational Safety and Health.
NTP	: US National Toxicology Program.
OSHA	: US Occupational Safety and Health.
PEL	: Permissible Exposure Level.
REL	: Recommended Exposure Limit.
RTECS	: Registry of Toxic Effects of Chemical Substances.
STEL	: Short Term Exposure Limit.
TDG	: Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations.
TSCA	: Toxic Substances Control Act of USA.
IECSC	: Inventory of Existing Chemical Substances Produced or Imported in China.
TWA	: Time Weighted Average.
TLV	: Threshold Limit Value.

*** End of Report ***

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