

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



AMCEL® CE66 NATURAL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.03.2022	000000037568	Date of first issue: 11.03.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : AMCEL® CE66 NATURAL

Product code : 000000000021041301

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

Use of the Substance/Mixture : Plastic processing industry

1.3 Details of the supplier of the safety data sheet

Company : Celanese Sales Germany GmbH
Am Unisyspark 1
65843 Sulzbach (Taunus), Germany

E-mail address of person responsible for the SDS : HazCom@celanese.com

1.4 Emergency telephone number

CHEMTREC: +1 703 527 3887 (Collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.3 Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Remarks : No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Cool skin rapidly with cold water after contact with molten material. Do not peel solidified product off the skin. Burns must be treated by a physician.
In case of eye contact	: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water
Foam
Dry chemical
Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during : Do not use a solid water stream as it may scatter and spread

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firefighting	fire.
Hazardous combustion products	: Carbon oxides Formaldehyde

5.3 Advice for firefighters

Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.
Further information	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
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6.2 Environmental precautions

Environmental precautions	: No special environmental precautions required.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
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6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Minimize dust generation and accumulation.
Advice on protection against fire and explosion	: Provide appropriate exhaust ventilation at places where dust is formed. During processing, dust may form explosive mixture in air.
Hygiene measures	: General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: Electrical installations / working materials must comply with the technological safety standards. Keep in a dry, cool place. Maintain dryness of resin
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Advice on common storage : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Local exhaust

Personal protective equipment

Eye protection	: Safety glasses
Skin and body protection	: Protective suit
Respiratory protection	: No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: pellets
Odour	: slight
Melting point/range	: > 160 °C
Flash point	: Not applicable
Auto-ignition temperature	: > 320 °C
Solubility(ies)	
Water solubility	: insoluble
Density	: 1,4 - 1,8 g/ml (20 °C)

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

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No hazards to be specially mentioned.
Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

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Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

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 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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Product : Where possible recycling is preferred to disposal or incineration.
Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
formaldehyde (Number on list 72, 28)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU of the : Not applicable

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European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

MAL-Code-Number : 5-1 (1993)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Not applicable

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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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 a 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.

DK / EN



Sinopec Shanghai Petrochemical Company Limited

Plastics Division

143, WeiEr Road, JinShanWei, Shanghai, China

Tel: 86-21-57944364

Fax: 86-21-57944364

Post code: 200540

PRODUCT AND IDENTIFICATION

Product Name: 三人牌® M800E polypropylene

Manufacturer: Sinopec Shanghai Petrochemical Company Limited Plastics Division

COMPOSITION/INFORMATION ON INGREDIENTS

Polypropylene CAS# 9003-07-1 >99.7%

Mouthful additives for process and long term stabilization, no including hazard contents

HAZARDS SUMMARIZING

Hazard Type: Based on National Standards of China, this product is not considered to a chemical hazard.

Hazard Routes: Inhalation, ingestion.

Health Hazards: Not harmful to human body as per GB9693-1988

Environmental Hazards: Not easily to be degraded ,dissolved or chemical reacted by nature, but can be degraded in sunlight. Environmental pollution may be possible especially to soil.

Fire and Explosion Hazards: The product can be burned but it doesn't have any danger of fire and explosion under ambient temperature and pressure. Contact with strong oxidants may cause fire and explosion. The self-ignition point exceeds 390℃.

FIRST AID MEASSURES:

Skin Contact: Essentially nonirritating to skin. Not likely to result in injuring body because there is no harmful amount in the material. Wash off in soap water, running water or shower.

Eye Contact: Solid or dust may cause irritation or corneal injury due to mechanical action. Flush eyes with plenty of water over 20 min. Antixenic feeling occurs strongly, consult a physician.

Inhalation: Remove to fresh air if effects occur. Consult a physician.

Ingestion: No acute effects anticipated by this way, but take in harmful amount by mistake, consult a physician.

FIRE FIGHTING MEASURES

Hazard traits: To be combustibile at high temperature, but not to be self-ignition under ambient temperature and pressure.

Hazardous Combustion Products: Under fire conditions the polymer decomposes. The smoke may contain some unidentified toxic and/or irritating compounds. Hazardous combustion products may include, which are not limited, carbon monoxide and carbon dioxide.

Fire Fighting Measures and Fire Extinguishing Agent: No special requirements.

Fire Fighting Precautions and Measures: No special requirements.

ACCIDENTAL RELEASE MEASURES

Land Spill: Clean up and collect it in dry, clean containers.

Water Spill: Sweep up and collect it in clean containers. Inform local pollution control authorities and potential polluted water downstream users if it and/or polluted fluid enters waterway.

HANDLING AND STORAGE

Handling Notes: Local exhaust ventilation may be necessary for handling and the employees should avoid smog inhalation. Heat resistance gloves and work clothes are recommended. No smoking. Avoid contacting strong oxidants directly. Move and transportation, pay attention to avoiding package damage. Equip with fire fighting and accidental release handling equipments. Keep from environmental hazards, the empty package bags should be collected and handled.

Storage Notes: Store in a cool, dry and ventilation place. Away from fire, heat and strong oxidants. Keep packing hermetically sealed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operation places where smog occurs.

Respiratory Protection: For most conditions, no respiratory protection should be taken. However, if handling at dusty places, use gauze masks.

Eye protection: For most conditions, no eye protection should be taken. However, if handling at dusty places, use goggles.

Body protection: Normally work clothing should be needed. When product is heated processing, adequate ventilation and/or engineering controls are required, where molten product is liable or likely to come into contact with the person, the following equipments are necessary:

- 1)Full face shield
- 2)Heat resistance gloves(long gaunt lets)
- 3)Cotton combination overalls with close fit at neck and wrists
- 4)Leather safety shoes or rubber boots(trousers worn outside)
- 5)Goggles
- 6)Safety helmet

Hand protection: Gloves

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour: White , odourless, plastic pellet.

Melting Point: 155-165℃.

Density: About 0.905(g/cm³)

Self-ignition point: >390℃

Solubility: Insoluble in water, propanone, alcohol

Recommended usage: mostly transparent package and small size transparent products for food, beverage, etc use

Polymer type: random copolymer

STABILITY AND REACTIVITY

Stability: Stable in nature

Materials to Avoid: Strong acid, chlorine and other strong oxidants, potassium permanganate, isopropyl oil

Conditions to Avoid: Fire and strong sunlight.

Hazardous Decomposition Products: Decomposition products depend on temperature, other materials present and air supply. During thermal processing this polymer can degrade to produce trace hydrocarbons, acetaldehyde in limited quantities. Complete combustion results in carbon dioxide and water.

TOXICOLOGICAL INFORMATION

Acute toxicity: No

Irritation test: Nonirritating to skin or eyes

Mutagenicity: No

Aberration: No

ECOLOGICAL INFORMATION

Ecological Hazards: No bioaccumulation and acute toxic condition are expected..

Biodegradation: In the terrestrial environment the material is expected to remain in the soil. In the aquatic environment it is expected to float.

Environmental Degradability: Degradation occurs under oxygen, ultraviolet and high temperature.

DISPOSAL CONSIDERATIONS

Disposal type: Normal solid disposal

Disposal Method: It is better to reuse this product. The entire disposal must come up to the local and nation standard criterion, which can be set on fire and/or buried.

TRANSPORT INFORMATION

UN code: No.

Package mark: Normal chemical industry commodity

Package type: Standard packaging. Other type package can be available as customer asked.

Transport note: Transport under ambient temperature , avoid rain or exposure to strong sunlight. Avoid transporting together with dust, sand, metal and inflammable material.

OTHER INFORMATION

Specification Code: SPC-SLB-PP-M048

Issue Date: Nov.1, 2005

Note: Based on our present comprehension to the product, the above information is correct. However, it can only regard as instruction purpose. It will be updated correspondingly when new information is obtained.



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Plastics Division
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PRODUCT AND IDENTIFICATION

Product Name: 三人牌® Q281A polyethylene
Manufacturer: Sinopec Shanghai Petrochemical Company Limited Plastics Division

COMPOSITION/INFORMATION ON INGREDIENTS

Polyethylene CAS# 9002-88-4 >99.7%
Mouthful additives for process and long term stabilization, no including hazard contents

HAZARDS SUMMARIZING

Hazard Type: Based on National Standards of China, this product is not considered to a chemical hazard.
Hazard Routes: Inhalation, ingestion.
Health Hazards: Not harmful to human body as per GB9691-1988
Environmental Hazards: Not easily to be degraded, dissolved or chemical reacted by nature, but can be degraded in sunlight. Environmental pollution may be possible especially to soil.
Fire and Explosion Hazards: The product can be burned but it dosen't have any danger of fire and explosion under ambient temperature and pressure. Contact with strong oxidants may cause fire and explosion. The self-ignition point exceeds 350℃.

FIRST AID MEASSURES:

Skin Contact: Essentially nonirritating to skin. Not likely to result in injuring body because there is no harmful amount in the material. Wash off in soap water, running water or shower.
Eye Contact: Solid or dust may cause irritation or corneal injury due to mechanical action. Flush eyes with plenty of water over 20 min. Antixenic feeling occurs strongly, consult a physician.
Inhalation: Remove to fresh air if effects occur. Consult a physician.
Ingestion: No acute effects anticipated by this way, but take in harmful amount by mistake, consult a physician.

FIRE FIGHTING MEASURES

Hazard traits: To be combustible at high temperature, but not to be self-ignition under ambient temperature and pressure.
Hazardous Combustion Products: Under fire conditions the polymer decomposes. The smoke may contain some unidentified toxic and/or irritating compounds. Hazardous combustion products

may include, which are not limited, carbon monoxide and carbon dioxide.
Fire Fighting Measures and Fire Extinguishing Agent: No special requirements.
Fire Fighting Precautions and Measures: No special requirements.

ACCIDENTAL RELEASE MEASURES

Land Spill: Clean up and collect it in dry, clean containers.
Water Spill: Sweep up and collect it in clean containers. Inform local pollution control authorities and potential polluted water downstream users if it and/or polluted fluid enters waterway.

HANDLING AND STORAGE

Handling Notes: Local exhaust ventilation may be necessary for handling and the employees should avoid smog inhalation. Heat resistance gloves and work clothes are recommended. No smoking. Avoid contacting strong oxidants directly. Move and transportation, pay attention to avoiding package damage. Equip with fire fighting and accidental release handling equipments. Keep from environmental hazards, the empty package bags should be collected and handled.
Storage Notes: Store in a cool, dry and ventilation place. Away from fire, heat and strong oxidants. Keep packing hermetically sealed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operation places where smog occurs.
Respiratory Protection: For most conditions, no respiratory protection should be taken. However, if handling at dusty places, use gauze masks.
Eye protection: For most conditions, no eye protection should be taken. However, if handling at dusty places, use goggles.
Body protection: Normally work clothing should be needed. When product is heated processing, adequate ventilation and/or engineering controls are required, where molten product is liable or likely to come into contact with the person, the following equipments are necessary:
1)Full face shield
2)Heat resistance gloves(long gaunt lets)
3)Cotton combination overalls with close fit at neck and wrists
4)Leather safety shoes or rubber boots(trousers worn outside)
5)Goggles
6)Safety helmet
Hand protection: Gloves

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour: White , odourless, plastic pellet.
Melting Point: 100-120℃.
Density: About 0.924-0.926 (g/cm³)
Self-ignition point: >350℃
Solubility: Insoluble in water, swelling in xylene
Recommended usage: produce various super transparent light packing films
Polymer type: homopolymer

STABILITY AND REACTIVITY

Stability: Stable in nature
Materials to Avoid: Fluorin, xenon tetrafluoride and strong oxidants, nitric acid, sodium oxide and trinitromethane
Conditions to Avoid: Fire and strong sunlight.
Hazardous Decomposition Products: Decomposition products depend on temperature, other materials present and air supply. During thermal processing this polymer can degrade to produce trace hydrocarbons, acetaldehyde in limited quantities. Complete combustion results in carbon dioxide and water.

TOXICOLOGICAL INFORMATION

Acute toxicity: No
Irritation test: nonirritating to skin or eyes
Mutagenicity: No
Carcinogenesis: No evidences for human being

ECOLOGICAL INFORMATION

Ecological Hazards: No bioaccumulation and acute toxic condition are expected..
Biodegradation: In the terrestrial environment the material is expected to remain in the soil. In the aquatic environment it is expected to float.
Environmental Degradability: Degradation occurs under oxygen, ultraviolet and high temperature.

DISPOSAL CONSIDERATIONS

Disposal type: Normal solid disposal
Disposal Method: It is better to reuse this product. The entire disposal must come up to the local and nation standard criterion, which can be set on fire and/or buried.

TRANSPORT INFORMATION

UN code: No.3314 Molding plastic compound
Package mark: Molding plastic compound
Package type: Standard packaging. Other type package can be available as customer asked.
Transport note: Transport under ambient temperature , avoid rain or exposure to strong sunlight. Avoid transporting together with dust, sand, metal and inflammable material.

OTHER INFORMATION

Specification Code: SPC-SLB-PE-M002
Issue Date: Nov.1, 2005
Note: Based on our present comprehension to the product, the above information is correct. However, it can only regard as instruction purpose. It will be updated correspondingly when new information is obtained.

Material Safety Data Sheet of the Glass Vials/Bottles

Identification of the product	Soda-lime Materials Glass Production
Product	Colour: Transparent
Use of the product	• Packing of the Cosmetic Production • The item is not a toy • The item is not an edible item
Name of the company who has manufactured	Anhui Shilin Glassware Co.,ltd
E mail	Liujia@163.com
Contact telephone numbers	0086 564 5486554
Name of the department for contact	Quality Assurance-corporate
Hazards :	Visualized
Health:	• Wear hand gloves so as to avoid any minor injury to fingers from chipped glass,if present
Environment:	• Wash with water and use for recycling • Non hazardous wast • Do not throw on unapproved land/fill site
Fire:	• Non flammable
Composition/information on ingredients	• Normally contains the oxides of the following SiO_2-CaO-B_2O_3-MgO-Al_2O_3-BaO-K_2O-Na_2O
For hazardous aspects of the element;please refer their material safety data sheets.	• Oxides shall not give decomposed upto 500°C • Beyond 500°C oxides decompositions profile not yet developed by the company.
First Aid Measure: Inhalation	• Not applicable
Skin contact	• When cut,wash the cut area with water and consult the doctor

For information.The information furnished herein provides a generic details of the materials safety while in transit/use/handling/storage.An authentic use invite the reading and interpretation by the user's environment,health, and safety department.

Material Safety Data Sheet of the Glass Vials/Bottles

Eye contact	• Consult the doctor
Ingestion	• Throw the glass piece out.Consult the doctor if the vials has intered in side the stomach..Never keep vial in the mouth/on lips or any other parts.Always use hand gloves.
Fire extinguishing	• The boxes may get fire when vials/packed.Packing material inflammbles. • For fire extinguishing,preferred media is water.Take into account the surrounding where boxes have caught fire.Consult EHS expert of the area.
Protective equipment for fire fighters	• Suitable protective equipment.Selfcontained breathing apparatus may be needed in confined space.
Accidental release measures	• The material is solid material-vials and bottles.Hence at normal temperature it does not flow at all. • At higher temperature,it shall melt and flow • Cool it down.Wash. And re use for making vials.
Handling and storage	• Ensure ventilation to boxes • Glass vials must be handled with care • Handle with care.Glass vials get broken when not handle with care. • Protection from light not required
Exposure control/personnel protection	• Not applicable
Physical and chemical properties	• Material:glass • Packing material:Corrugated Box/Plastic flims/trays. • Transparent • Non-soluble • Almost negligible PH • Non-reactive • Neutral in nature
Melting point	• 1000 Centigrade appox
Flammable	• Normally not
Stability	• By theory,glass vials are stable as galss material.

For information.The information furnished herein provides a generic details of the materials safety while in transit/use/handling/storage.An authentic use invite the reading and interpretation by the user's environment,health, and safety department.

Material Safety Data Sheet of the Glass Vials/Bottles

Toxicological	• By knowledge of literature on glass vials are not toxic (when metals like arsenic ect.) do not exceed the prescribed limits.
Ecological information	• Data is lacking • Nearer to non-toxic when arsenic and other toxic metals are within prescribed limits
Disposal information	• When fresh and unused for filling; these are non-hazardous • When filled and broken; wash it Recommendably with water. Do the presence of the toxic element on the washed bottles. • Recycle to the waste collector for re-use by the glass industry • Recommend not to use the refilling of the medicines once it has been used • Consult the view of the local government pollution control authorities.
Packing materials	• Non-hazardous • May dispose for commercial purpose/re use with the approval of the local govt, pollution control authorities
Transport information IMDG: Inter maritime Dangerous Goods Rules./Codes	• Glass vials not classified as dangerous goods. Refer IMDG codes and write exactly what they have written
• The above information is believed to be correct and may not be all conclusive, however, it should be only guide line. Gujarat Glass shall not be held liable for any damage resulting from handling or contact with above product.	

For information. The information furnished herein provides a generic details of the materials safety while in transit/use/handling/storage. An authentic use invite the reading and interpretation by the user's environment, health, and safety department.

Material Safety Data Sheet (MSDS)

According to (EC) 1907/2006 (REACH)

(TRADE) NAME OF THE CHEMICAL

Chemical Name: SUS

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Identification of the chemical (substance or preparation)

Chemical Name: SUS

1.2 Use of the chemical

Hardware fitting

1.3 Company identification

Item	Detail
Company name	Su Zhou Yong Tai Stainless Steel Product CO. Ltd
Address	NO.98 Tong Xing Road, Tong'an Town, High-tech & New District, Suzhou
Postal code	215153
Country	China
Telephone number	0512-66061166
Fax number	0512-66061177
E-Mail (person responsible for SDS)	—
Date of latest version SDS	15th September, 2025

1.4 Emergency Telephone

Emergency telephone: 0512-66061188

In case of an emergency, please contact: Xu Jie (0512-66061133)

SECTION 2. HAZARDS IDENTIFICATION

No additional hazards identified.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 General Chemical Description

SUS304

3.2 Base Substances of Preparation

Components	EC-No.	CAS-No.	Content (% or range)
C	—	7440-44-0	0.066
Si	—	7440-21-3	0.419
Mn	—	7439-96-5	1.138
P	—	7723-14-0	0.0279
S	—	7704-34-9	0.0016
Ni	—	7740-02-0	8.337
Cr	—	7440-47-3	18.104
Fe	—	7439-89-6	71.9065

3.3 Declaration of Ingredients according to EC 1907/2006 (REACH Regulation)

Hazardous components	EC-No.	CAS-No.	Content (% or range)	Classification
—	—	—	—	—

Please refer to Section 16 for an overview of all R-phrases mentioned here.

SECTION 4. FIRST AID MEASURES

4.1 General Information

Exposure Route	Specific First Aid Measures
Inhalation	Move the victim to clean air and a ventilated place, or supply oxygen if shortness of breath occurs; perform artificial respiration if breathing stops.
Skin contact	No hazard; wash the affected area with water or soap only.
Eye contact	Send to hospital for treatment when necessary.
Ingestion	Send to hospital for treatment.

4.2 Advice to Doctor

No details available at present.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Suitable Fire-Fighting Equipment

	Suitable	Unsuitable
Fire fighting equipment	Carbon dioxide, Foam, Dry chemical fire extinguisher	—
Protection gear	—	Unsuitable

5.2 Dangerous Decomposition Products

Does not apply to incombustible matter.

5.3 Additional Information for Fire Fighters

Does not apply to incombustible matter.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Does not apply to incombustible matter.

6.2 Environmental Precautions

Does not apply to incombustible matter.

6.3 Methods for Cleaning Up / Taking Up

Does not apply to incombustible matter.

SECTION 7. HANDLING AND STORAGE

7.1 Handling

1. Handle with care to avoid skin cuts caused by wire threads.
2. Avoid eye and skin contact; wear protective equipment when machine processing generates metal dust.
3. Metal products are heavy and may be damaged by improper operation. Take care to avoid falling or tipping during hoisting and handling.

4. Coiled products retain curl tension. Take care that the end of the coil may injure people when the packing belts are cut.

7.2 Storage

1. Products must be stored in a dry and well-ventilated room, because long-term storage under humid and high-temperature conditions will cause oxidation.
2. Avoid outdoor exposure or storage in high-humidity, airtight spaces. Do not store together with acids, alkalis or other corrosive substances.

7.3 Specific Use(s)

Used for keyboard parts.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limit Values

Does not apply to incombustible matter.

8.2 Exposure Controls

Occupational exposure controls

- (a) Respiratory protection: Wear dust-breathing equipment or a certified dust mask.
- (b) Hand protection: Wear protective work gloves.
- (c) Eye protection: Wear goggles.
- (d) Skin protection: Wear work clothes and safety shoes.

Environmental exposure controls: No relevant information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Appearance: Silver

Odour: Odourless

9.2 Important Health, Safety and Environmental Information

Item	Value
Acidity / pH	No
Boiling point / boiling range	No
Flash point	No
Flammability (solid, gas)	No
Explosive properties	No
Oxidising properties	Do not use with oxidants, mineral acids, strong acids or strong alkalis
Vapour pressure	No
Relative density	7.8
Solubility	Insoluble in water
Water solubility	No
Partition coefficient: n-octanol / water	No
Viscosity	No
Vapour density	No
Evaporation rate	No

9.3 Other Information

No.

SECTION 10. STABILITY AND REACTIVITY

10.1 Conditions to Avoid

No relevant information available.

10.2 Materials to Avoid

Acids, alkaline (alkali) materials.

10.3 Hazardous Decomposition Products

No relevant information available.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: No relevant information available.

Acute dermal toxicity: No relevant information available.

Acute inhalational toxicity: No relevant information available.

Irritant effect on skin: No relevant information available.

Irritant effect on eye: No relevant information available.

Sensitization: No relevant information available.

Carcinogenicity: No relevant information available.

Mutagenicity: No relevant information available.

Reproduction toxicity: No relevant information available.

Accumulative toxic effect: No relevant information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No relevant information available.

12.2 Mobility

No relevant information available.

12.3 Persistence and Degradability

No relevant information available.

12.4 Bio-accumulative Potential

No relevant information available.

12.5 Results of PBT Assessment

No relevant information available.

12.6 Other Adverse Effects

No relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste can be sent to the licensed waste treatment centre for processing.

SECTION 14. TRANSPORT INFORMATION

Classification according to ADR (Road Transport)

1. No relevant information about international transport stipulation.
2. Inland transport stipulation:
 - (1) Comply with road transport regulations.
 - (2) Avoid direct contact with water; prevent tilting and overturning.

Classification according to IMDG (Marine Transport)

1. Inland transport stipulation:
 - (1) Comply with road transport regulations.
 - (2) Avoid direct contact with water; prevent tilting and overturning.

Classification according to IATA (Air Transport)

1. Inland transport stipulation:
 - (1) Comply with road transport regulations.
 - (2) Avoid direct contact with water; prevent tilting and overturning.

SECTION 15. REGULATORY INFORMATION

1. Applicable Laws: Labour Safety and Health Law.
2. International laws: No relevant information available.

SECTION 16. OTHER INFORMATION

- List of all R-phrases mentioned in the document: RLSZD000818660001
- Recommended restrictions on use: No relevant information available.
- Sources of key data used to compile the Safety Data Sheet: CC3-200901A-0122