



ARTEC CHEMICAL CO., LTD.

Material Safety Data Sheet

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name	Hair Styling Powder
Supplier	Artec Chemical Co., Ltd. 1302 Riley House, 88 Lei Muk Road, Kwai Chung, Hong Kong
Emergency Phone No.	+852-2543-2233
Fax No.	+852-2543-1883

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

This product is NOT Classified as a HAZARDOUS SUBSTANCE or as a DANGEROUS GOODS according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia).

Label elements

Precautionary statement(s)

P260 Do not breathe dust.

Labelling (67/548/EEC or 1999/45/EC)

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazard None



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Mixtures

Description Mixture of substances listed below with nonhazardous additions

Hazardous Components (Regulation, EC No. 1272/2008)

Chemical Name

			Classification	Percentage
Water	CAS No.	7732-18-5	---	35 - 55%
	EC No.	231-791-2		
	Index No.	---		
Silica Silylate	CAS No.	68909-20-6	---	20 - 30%
	EC No.	272-697-1		
	Index No.	---		
VP/VA Copolymer	CAS No.	25086-89-9	---	10 - 20%
	EC No.	---		
	Index No.	---		
Alcohol Denat.	CAS No.	---	Flam. Liq. 2; H225	10 - 15%
	EC No.	---		
	Index No.	---		

The remaining components present in less than 1% concentration do not contribute any significant additional hazards.



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4 FIRST AID MEASURES

General Advice	In case of persisting adverse effects, consult a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelids open to ensure complete flushing. If irritation persists, seek medical attention.
Skin Contact	Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned.
Inhalation	Remove affected person from the immediate area. Ensure supply of fresh air.
Ingestion	Do not induce vomiting. Contact the nearest Poison Control Centre or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
Protection of First-aiders	A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.

5 FIRE-FIGHTING MEASURES

General Information

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place.

Special Hazard arising from the Substance or Mixture

Non-flammable material. Possibility of ignition and decomposition if involved in fire. Development of hazardous combustion gases or vapours possible in the event of fire.

Suitable Extinguishing Media

Carbon dioxide; Water fog; Dry chemical; or Foam recommended.

Further Information

Prevent fire extinguishing water from contaminating surface water or the ground water system.





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6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Keep away sources of ignition. Evacuate personnel to safe areas.

Methods for Cleaning up

Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by maximize ventilation. Remove spilled material with absorbent material and place into appropriate closed containers for disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Special Precautions

Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

7 HANDLING AND STORAGE

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

Advice on protection against fire and explosion

Minimize dust generation and accumulation. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Normal measures for preventive fire protection.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

Do not store together with: Oxidizing agents.

Further information on storage conditions

Hygroscopic. Keep container tightly closed and dry in a cool, well-ventilated place.



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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control

Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Use in a chemical fume hood when working with large quantities of product and provide adequate ventilation (e.g., local exhaust ventilation, fans).

General Protective and Hygiene Measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.

Personal Protection Equipment

Eye Protection	Not required under normal conditions of use. However, avoid eye contact.
Industrial application	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin Protection	Not required under normal conditions of use.
Industrial application	Suitable impervious protective clothing. Final choice is dependent on individual circumstances.
Hand Protection	Not required under normal conditions of use.
Industrial application	Handle with gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Respirators	Not required under normal conditions of use.
Industrial application	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	White powder
Odour	Characteristic
Freezing/Melting Point	Not available
Boiling Point	Not available
Flash Point	Not applicable
Solubility	Insoluble in water
pH Value	5.0 - 6.5
Specific Gravity	0.17 - 0.23 g/cm ³



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10 STABILITY AND REACTIVITY

Chemical Stability

Stable under normal temperatures and pressures

Conditions to Avoid

Open flames; Sparks; Excess heat; Exposure to moisture;

Materials to Avoid

Product reacts with: Oxidizing agents; Moisture;

Hazardous Decomposition Products

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x);

11 TOXICOLOGICAL INFORMATION

This product has not been tested on animals to obtain toxicology data. There are toxicology data for the components of the product, which are found in scientific literature. These data have not been presented in this document.

Acute Toxicity

Quantitative data on the toxicity of this product are not available. This product possesses no known toxicological hazards when used as directed and all precautions followed.

Primary Irritating Potential

Skin Corrosion/Irritation

Potential irritant

Source

External MSDS

Serious Eye Damage/Irritation

Moderately irritating

Source

External MSDS

Respiratory or skin sensitization

May cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals

Source

External MSDS

Mutagenicity

No experimental evidence of genotoxicity available.

Carcinogenicity

No experimental evidence of carcinogenicity available.

Reproductive Effects

No experimental evidence of reproductive toxicity available.



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Further Information

Symptoms of overexposure

Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas.

Chronic health effects

No harmful or chronic health effects are expected to occur from a single accidental ingestion.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Quantitative data on the ecological effect of this product are not available.

Persistence and Degradability

No information available

Bioaccumulative Potential

No information available

Mobility in Soil

No information available

Result of PBT and vPvB Assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Additional Ecological Information

No quantitative data concerning the ecological effects available for this product. Do not allow to run into surface waters, wastewater, or soil.

13 DISPOSAL CONSIDERATIONS

Waste from Residue/Unused Products

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Contaminated Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.



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14 TRANSPORT REGULATIONS

UN Number	Not assigned
Packing Group	None
Declaration ADR, RID (railroad and road)	No restrictions on land shipment Not classified as dangerous in the meaning of transport regulations.
Declaration IMDG-Code (transport by sea)	No restrictions on sea shipment Not classified as dangerous in the meaning of transport regulations.
Declaration IATA-DGR (transport by air)	No restrictions on air shipment Not classified as dangerous in the meaning of transport regulations.

15 REGULATORY INFORMATION

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

EU regulations

Major accident hazard 96/82/EC

Occupational restrictions Take note of Dir 94/33/EC on the protection of young people at work.
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

Chemical safety assessment

For this product chemical safety assessment not carried out.

16 OTHER INFORMATION

Disclaimer

The information provided in this material safety data sheet is correct to the best of our knowledge. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Artec Chemical Co., Ltd. assumed no responsibility for any personal injury or property damage caused by the materials. Users assume all risks associated with the use of the materials.