

Safety Data Sheet

According to American OSHA HazCom Standard (2012)

Version 1.0

Issue date: 08-06-2024

Revision date: 08-06-2024

SDS Record Number: A2240455538101001

1 Identification

Product identifier

Product Name	Shampoo
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

Recommended use of the product and restrictions on use

Relevant identified uses	Cleaning hair.
Uses advised against	No special restrictions.

Details of the supplier of the Safety Data Sheet

Name of the company	Yangzhou Ecoway Hotel Supply Co.,Ltd
Address of the company	Industrial Park #2-5, Tongzhou Road, Hangji, Yangzhou, Jiangsu, China
Post code	/
Telephone number	13773501495
Fax number	0514-89781991
E-mail address	jack@ecoway.cn

Emergency phone number

Emergency phone number	136 6528 5718
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2 Hazard(s) identification

Hazard classification according to 29 CFR 1910.1200

Skin Corrosion/Irritation	Category 2
Sensitization – Skin	Category 1
Eye Damage/Irritation	Category 1

Label elements

Hazard pictograms	
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Signal word **Danger**

Hazard statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

Precautionary statements

Prevention

P261	Avoid breathing gas/mist/vapour/spray.
P264	Wash hands and other parts of the body (if related) thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P321	Specific treatment (see related instructions on the label).
P364	And wash it before reuse.
P302+P352	IF ON SKIN: Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

Storage	Not applicable
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Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Other hazards

	Not applicable.
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Hazard description

Physical and chemical hazards

	Liquid, soluble in water, no harm under normal conditions.
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Health hazards

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	The product may cause an allergic skin reaction following direct contact with the skin. The product can cause skin irritation following direct contact with the skin.
Eye	The product can produce severe chemical burns to the eye following direct contact.

Environmental hazards

3 Composition/information on ingredients

Substance/mixture

Mixture

Component	CAS No.	EC No.	Concentration (wt, %)
Aqua	7732-18-5	231-791-2	82.98
Sodium Laureth Sulfate	1335-72-4	603-752-3	11.00
Cocamidopropyl Betaine	61789-40-0	263-058-8	2.00
Cocamide DEA	68603-42-9	271-657-0	1.20
Polyquaternium-7	26590-05-6	607-965-2	0.50
Sodium Chloride	7647-14-5	231-598-3	1.50
Citric Acid	77-92-9	201-069-1	0.06
Disodium EDTA	139-33-3	205-358-3	0.10
DMDM Hydantoin	6440-58-0	229-222-8	0.30
Methylchloroisothiazolino ne	26172-55-4	247-500-7	0.045
Methylisothiazolinone	2682-20-4	220-239-6	0.015
Parfum	-	-	0.30

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water and consult a physician if feel uncomfortable.
Skin contact	Wash off with plenty of soap and water.
Ingestion	Never give anything by mouth to an unconscious person. Rinse the mouth.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

- 1 Please see section 11.

Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	May expansion or decompose explosively when heated or involved in fire.

Special protective equipment and precautions for fire-fighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	Use personal protective equipment, do not breathe gas/mist/vapour/spray.
2	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
3	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Cut off the source of the leak as much as possible.
2	Keep leaks in a ventilated place.
3	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
4	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
5	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

7 Handling and storage

Precautions for safe handling

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.
4	Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Citric Acid	Germany (AGS)	-	2	-	4
	Germany (DFG)	-	2	-	4
	Switzerland	-	2	-	4
Methylchloroisothiazolinone	South Korea	-	0.1	-	-
	Austria	-	0.05	-	-
	Germany (DFG)	-	0.2	-	0.4
	Switzerland	-	0.2	-	0.4
Methylisothiazolinone	South Korea	-	0.1	-	-
	Austria	-	0.05	-	-
	Germany (DFG)	-	0.2	-	0.4
	Switzerland	-	0.2	-	0.4

Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.
Hand protection	In general situation, hand protection is not needed.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.
Skin and body protection	In general situation, skin and body protection are not needed.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

Appearance (physical state, color, etc.)	Clear transparent liquid
Odor	green tea MX13294
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	0 (Aqua)
Initial boiling point and boiling range(°C)	100 (Aqua)
Flash point(Closed cup,°C)	The flash point above 93 °C
Evaporation rate	No information available
Flammability	Not combustible
Upper/lower explosive limits[% (v/v)]	Upper limit: Not combustible; Lower limit: Not combustible
Vapor pressure	2.33kPa (Aqua)
Vapor density(Air = 1)	> 1 (Aqua)
Relative density(Water=1)	1 (Aqua)
Solubility	Miscible with water
n-octanol/water partition coefficient	-1.28 (Cocamidopropyl Betaine)
Auto-ignition temperature(°C)	Not combustible
Decomposition temperature(°C)	175 (Citric Acid)
Kinematic viscosity	No information available

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen. In contact with organic peroxides cause a fire immediately. Flammable, its gas or powder, if in contact with air, may form explosive mixtures.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide. Organic peroxides. Metal alkoxides, furfuryl alcohol, acetaldehyde, nitric acid, nitrate, nitrite, oxyacid salt halogen and inorganic peroxide.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
DMDM Hydantoin	2000mg/kg(Rat)	No information available	No information available
Methylisothiazolinone	249mg/kg(Rat)	242mg/kg(Rabbit)	0.11mg/L(Rat)
Citric Acid	3000mg/kg(Rat)	No information available	No information available
Disodium EDTA	2000mg/kg(Rat)	No information available	No information available
Sodium Chloride	3000mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP	OSHA Carcinogen List
Aqua	Not Listed	Not Listed	Not Listed
Sodium Laureth Sulfate	Not Listed	Not Listed	Not Listed
Cocamidopropyl Betaine	Not Listed	Not Listed	Not Listed
Cocamide DEA	Category 2B	Not Listed	Not Listed
Polyquaternium-7	Not Listed	Not Listed	Not Listed
Sodium Chloride	Not Listed	Not Listed	Not Listed
Citric Acid	Not Listed	Not Listed	Not Listed
Disodium EDTA	Not Listed	Not Listed	Not Listed
DMDM Hydantoin	Not Listed	Not Listed	Not Listed
Methylchloroisothiazolinone	Not Listed	Not Listed	Not Listed
Methylisothiazolinone	Not Listed	Not Listed	Not Listed
Parfum	Not Listed	Not Listed	Not Listed

Others

Shampoo	
Skin corrosion/irritation	Causes skin irritation(Category 2)
Serious eye damage/irritation	Causes serious eye damage(Category 1)
Skin sensitization	May cause an allergic skin reaction(Category 1)
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive	Based on available data, the classification criteria are not met

12 Ecological information

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Methylchloroisothiazolino ne	LC ₅₀ : 0.36mg/L (96h)(Fish)	EC ₅₀ : 1.07mg/L (48h)(Crustaceans)	ErC ₅₀ : 0.06mg/L (96h)(Algae)
DMDM Hydantoin	LC ₅₀ : 82.3mg/L (96h)(Fish)	No information available	No information available
Methylisothiazolinone	LC ₅₀ : 0.36mg/L (96h)(Fish)	EC ₅₀ : 1.07mg/L (48h)(Crustaceans)	ErC ₅₀ : 0.06mg/L (96h)(Algae)
Citric Acid	LC ₅₀ : 440mg/L (96h)(Fish)	No information available	No information available
Cocamidopropyl Betaine	LC ₅₀ : 2mg/L (96h)(Fish)	EC ₅₀ : 6.4mg/L (48h)(Crustaceans)	No information available
Disodium EDTA	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Crustaceans)	ErC ₅₀ : > 100mg/L (72h)(Algae)
Sodium Chloride	LC ₅₀ : 5840mg/L (96h)(Fish)	EC ₅₀ : 2120mg/L (48h)(Crustaceans)	No information available

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
Cocamidopropyl Betaine	NOEC: 0.16mg/L(Fish)	No information available	No information available
Disodium EDTA	NOEC: ≥35.1mg/L(Fish)	No information available	No information available

Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Cocamide DEA	Low	Low
Polyquaternium-7	Low	Low
Sodium Chloride	Low	Low
Citric Acid	Low	Low
Disodium EDTA	Low	Low
DMDM Hydantoin	Low	Low
Methylchloroisothiazolino ne	High	High
Methylisothiazolinone	High	High

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
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Cocamide DEA	Low	Log Kow=2.885
Polyquaternium-7	Low	BCF=86
Sodium Chloride	Low	Log Kow=0.5392
Citric Acid	Low	Log Kow=-1.7
Disodium EDTA	Low	Log Kow=-3.8573
DMDM Hydantoin	Low	Log Kow=-2.3729
Methylchloroisothiazolino ne	Low	Log Kow=0.0444
Methylisothiazolinone	Low	Log Kow=-0.8767

| Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Cocamide DEA	Low	51.65
Polyquaternium-7	Low	10.46
Sodium Chloride	Low	14.3
Citric Acid	Low	10
Disodium EDTA	Low	1046
DMDM Hydantoin	Low	10
Methylchloroisothiazolino ne	Low	45.15
Methylisothiazolinone	Low	27.88

| Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Aqua	Insufficient information, temporarily unable to evaluate
Sodium Laureth Sulfate	Insufficient information, temporarily unable to evaluate
Cocamidopropyl Betaine	Not PBT/vPvB
Cocamide DEA	Insufficient information, temporarily unable to evaluate
Polyquaternium-7	Insufficient information, temporarily unable to evaluate
Sodium Chloride	Not PBT/vPvB
Citric Acid	Not PBT/vPvB
Disodium EDTA	Not PBT/vPvB
DMDM Hydantoin	Not PBT/vPvB
Methylchloroisothiazolino ne	Insufficient information, temporarily unable to evaluate
Methylisothiazolinone	Insufficient information, temporarily unable to evaluate

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

Label and Mark

Transporting Label	Not applicable
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US DOT (49CFR)

49CFR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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15 Regulatory information

International chemical inventory

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Aqua	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Laureth Sulfate	✗	✗	✗	✓	✗	✗	✗	✗	✗
Cocamidopropyl Betaine	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cocamide DEA	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyquaternium-7	✗	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Chloride	✓	✓	✓	✓	✓	✓	✓	✓	✓
Citric Acid	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disodium EDTA	✓	✓	✓	✓	✓	✓	✓	✓	✓
DMDM Hydantoin	✓	✓	✓	✓	✓	✓	✓	✓	✓
Methylchloroisothiazolin one	✓	✓	✓	✓	✓	✓	✓	✓	✓

Methylisothiazolinone	√	√	√	√	√	√	√	√	√
Parfum	×	×	×	×	×	×	×	×	×

- [EC inventory] European Inventory of Existing Commercial Chemical Substances
- [TSCA] United States Toxic Substances Control Act Inventory
- [DSL] Canadian Domestic Substances List
- [IECSC] China Inventory of Existing Chemical Substances
- [NZIoC] New Zealand Inventory of Chemicals
- [PICCS] Philippines Inventory of Chemicals and Chemical Substances
- [KECI] Korea Existing Chemicals Inventory
- [AIIC] Australian. Inventory of Industrial Chemical (AIIC)
- [ENCS] Japan Inventory of Existing & New Chemical Substances

US chemical inventory

Component	A	B	C	D	E	F	G	H
Aqua	×	×	×	×	×	×	×	×
Sodium Laureth Sulfate	×	×	×	×	×	×	×	×
Cocamidopropyl Betaine	×	×	×	×	×	×	×	×
Cocamide DEA	×	×	×	×	×	×	×	×
Polyquaternium-7	×	×	×	×	×	×	×	×
Sodium Chloride	×	×	×	×	×	×	×	×
Citric Acid	×	×	×	×	×	×	×	×
Disodium EDTA	×	×	×	×	×	×	×	×
DMDM Hydantoin	×	×	×	×	×	×	×	×
Methylchloroisothiazolinone	×	×	×	×	×	×	×	×
Methylisothiazolinone	×	×	×	×	×	×	×	×
Parfum	×	×	×	×	×	×	×	×

- [A] US Clean Air Act (CAA)- Section 112, Hazardous Air Pollutants
- [B] US SARA 302- Extremely Hazardous Substance List
- [C] US CERCLA- Hazardous Substances List
- [D] US Massachusetts Right-to-Know Substance List
- [E] US New Jersey Right to Know Hazardous Substance List
- [F] US Pennsylvania Right to Know Hazardous Substance List
- [G] US New York City Right-to-Know Hazardous Substance List
- [H] US California Proposition 65 List

Note:

“√” Indicates that the substance included in the regulations.

“×” No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2024/08/06
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Revision Date	2024/08/06
Reason for revision	-

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	HCS	Hazard Communication Standard

Disclaimer

This Safety Data Sheet (SDS) was prepared according to OSHA HCS-2012. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.