



ARTEC CHEMICAL CO., LTD.

Safety Data Sheet

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

Product Name	Bleaching Powder White (Dust Free)		
Supplier	Dateline Imports Pty Ltd Unit 8 Discovery Cove 1801 Botany Road Banksmeadow NSW 2019 Australia		
Telephone	+61 2 9666 3611		
Emergency Telephone	+61 2 9666 3611	Monday - Thursday	8:30 am - 5:00 pm;
		Friday	8:30 am - 4:00 pm
Email	info@datelineimports.com.au		
Manufacturer	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

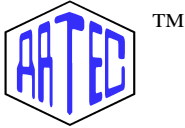
Classification of the Substance or Mixture

Classification in accordance with Regulation, EC No. 1272/2008

Acute toxicity; Oral	Category 4; H302
Eye irritation	Category 2; H319
Oxidizing solids	Category 3; H272
Respiratory sensitization	Category 1; H334
Skin irritation	Category 2; H315
Skin sensitization	Category 1; H317
Specific target organ toxicity - single exposure	Category 3; H335

Classification in accordance with European Directive 67/548/EEC or 1999/45/EC

O	Oxidizing
Xn	Harmful
Xi	Irritant
R 8	Contact with combustible material may cause fire.
R 22	Harmful if swallowed.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 42/43	May cause sensitisation by inhalation and skin contact.



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Label Elements

Hazard pictograms



Signal word

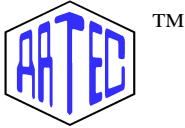
Danger

Hazard statement(s)

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P221	Take any precaution to avoid mixing with combustibles
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves.
P285	In case of inadequate ventilation wear respiratory protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330	Rinse mouth.



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P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.
Other hazard	None

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Mixture

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

Chemical name	CAS No.	Classification	Concentration	
Potassium persulfate	7727-21-1	Ox. Sol. 3	15 - 30 wt%	
	EC No. 231-781-8	Acute Tox. 4		
	Index No 016-061-00-1	Eye Irrit. 2		
		STOT SE 3		
	Skin Irrit. 2	Resp. Sens. 1		
		Skin Sens. 1		
Ammonium persulfate	CAS No. 7727-54-0	Ox. Sol. 3	10 - 25 wt%	
	EC No. 231-786-5	Acute Tox. 4		
	Index No 016-060-00-6	Eye Irrit. 2		
		STOT SE 3		
		Skin Irrit. 2		Resp. Sens. 1
		Skin Sens. 1		
Sodium metasilicate	CAS No. 6834-92-0	Skin Corr. 1B	5 - 20 wt%	
	EC No. 229-912-9	STOT SE 3		
	Index No 014-010-00-8			

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. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.
Eye Contact	Rinse cautiously with plenty of water, also under the eyelids, for 15 minutes. Check for and remove any contact lenses, if present and easy to do. Consult an ophthalmologist.
Skin Contact	Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. If irritation or allergic reaction develops or persists, consult a dermatologist.
Inhalation	Remove affected person from the immediate area. Ensure supply of fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical assistance immediately.
Ingestion	Rinse mouth thoroughly with water. Immediately make victim drink water (two glasses at most). Never give anything by mouth to an unconscious person. Obtain immediate medical attention.
Protection of First-aiders	First aid personnel should pay attention to their own safety. A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

5 FIRE-FIGHTING MEASURES

General Information

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Uninvolved persons should evacuate to a safe place.

Suitable Extinguishing Media

Carbon dioxide; Water Fog; Fine Water Spray; or Foam recommended.

Additional 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. Avoid contact with skin, eyes and clothing. Keep away sources of ignition. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

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 moistening with water. Pick up spill for recovery or disposal and place in a closed container. Ventilate area of leak or spill and wash off with plenty of water.

Environmental Precautions

Do not discharge into the drains/surface waters/groundwater.

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.

Avoid contamination and presence of reducing agents, like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions since the container may burst. Avoid humid organic materials such as paper towel, wood, clothes, etc. which could induce spontaneous combustion.

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.

Storage

Requirements for storage rooms and vessels

Store product in closed containers. Avoid storage on wood floors.

Advice on storage assembly

Do not store together with: Moisture; Reducing agent, such as waving lotions; Acids; Alkalis; Halides; Heavy metals; Burning and Combustible materials.

Further information on storage conditions

Store in a dry place. Keep in a cool place. Keep container in a well-ventilated place. Separate from combustibles, organic or other readily oxidizable materials.



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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control

No special engineering controls required. However, under industrial applications, provide sufficient ventilations keep airborne levels to the lowest possible levels. Where dusts are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

General Protective and Hygiene Measures

Change contaminated clothing. 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	Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.
Hand Protection	Wear protective gloves.
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	Required when dusts are generated. Recommended filter type: Filter P 2 (according to DIN 3181) for solid and liquid particles of harmful substances. The entrepreneur has to ensure the maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.



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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 available
Solubility in Water	Partially soluble
pH Value	9.0 - 11.0; (1% dispersion in water)

10 STABILITY AND REACTIVITY

Chemical Stability

Unstable. Decomposes more rapidly at higher temperatures. Stability decreases in the presence of moisture.

Conditions to Avoid

Impact, Friction; which may build electric charge.

Materials to Avoid

Product reacts with: Moisture; Reducing agent, such as waving lotions; Acids; Alkalis; Halides; Heavy metals; Burning and Combustible materials.

Hazardous Decomposition Products

In the event of fire, the following can be released: Nitrogen oxides (NO_x); Sulphur oxides (SO_x); oxides of contained metals.

Additional Information

Do not use metallic bowls or stirrers.

11 TOXICOLOGICAL INFORMATION

General Information

Contains ingredients may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system. They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.

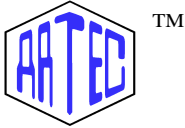
Target Organs

Skin, respiratory system.

Route of Entry

Inhalation, ingestion and skin.

General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.



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Acute Toxicity

Quantitative data on the toxicity of this product are not available.

Effect of Chronic Exposure

For purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.

Primary Irritating Potential

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Mutagenicity	No experimental evidence of mutagenicity available.
Carcinogenicity	No experimental evidence of carcinogenicity available.
Reproductive Effects	No experimental evidence of reproductive toxicity available.

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

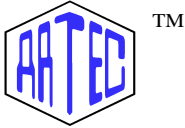
No information available

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.



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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.

14 TRANSPORT REGULATIONS

ADR/RID

UN Number 3215
Class 5.1
Packing Group III
Proper Shipping Name PERSULFATES, INORGANIC, N.O.S.
Labels Required



IMDG/IMO

UN Number 3215
Class 5.1
Packing Group III
Proper Shipping Name PERSULFATES, INORGANIC, N.O.S.
Labels Required



Marine pollutant No



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IATA/ICAO

UN Number	3215
Class	5.1
Packing Group	III
Proper Shipping Name	persulfates, inorganic, n.o.s.
Labels Required	



15 REGULATORY INFORMATION

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

EU regulations

Major accident hazard	96/82/EC
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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.
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Chemical safety assessment

For this product chemical safety assessment not carried out.

16 OTHER INFORMATION

Disclaimer

The information provided in this 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.