



## MATERIAL SAFETY DATA SHEET



### PRODUCT + MANUFACTURER IDENTIFICATION

PRODUCT TYPE	Pale Blue Powder Lightener
PRODUCT NAME	artease® Powder Bleach
MANUFACTURED FOR	artease®colors
DISTRIBUTOR ADDRESS	23207 Early Ave, Torrance, CA 90505
DISTRIBUTOR PHONE	888.993.9912 / 310.539.9912
DISTRIBUTOR FAX	310.539.9914
EMERGENCY PHONE	800.222.1222

### COMPOSITION + INGREDIENT INFORMATION

INGREDIENTS	CAS No.
Dangerous substances for health and as per 67/548/CEE regulation and subsequent revisions or limited exposition substance:	
Potassium Persulfate	7727-21-1
Ammonium Persulfate	7727-54-0
Sodium Metasilicate	6834-92-0
Sodium Persulfate	7775-27-1

### HAZARDS IDENTIFICATION

When used according to the supplier's directions, this product is safe for humans and the environment. The following information is relevant in case of improper use or accident.	
Classification of Hazardousness	
	X <sub>n</sub> Harmful
	O Oxidizing
Specific Risks for Man and Environment	
R7	May cause fire.
R20/22	Harmful by inhalation and if swallowed.
R36/7/38	Irritation to eyes, respiratory system and skin.
R42/43	May cause sensitization by inhalation and skin contact.

**FIRST AID PROCEDURES**

<b>CONTACT WITH EYES:</b>	Flush with plenty of water immediately. Remove contact lenses, if applicable. Immediately seek medical attention.
<b>CONTACT WITH SKIN:</b>	Rinse immediately with water. Should allergic reaction develop, consult a dermatologist.
<b>IN CASE OF INHALATION:</b>	Immediately move to fresh air. If asthma develops, seek medical attention.
<b>IF SWALLOWED:</b>	Immediately rinse mouth without swallowing. Seek medical attention.

**FIRE AND EXPLOSION HAZARD DATA**

<b>SUITABLE EXTINGUISHING MEDIA:</b>	Water, water spray, CO <sub>2</sub> extinguisher.
In case of big fires, wear breathing apparatus and complete protective clothing.	

**ACCIDENTAL RELEASE MEASURES**

<b>PERSONAL PROTECTION:</b>	Wear protective clothing
<b>ENVIRONMENTAL PRECAUTIONS:</b>	A well ventilated workspace is required to avoid dust concentrations. Avoid penetration of the product into soil/earth. If the product reaches water source/drainage system, advise proper authorities.
<b>MEASURES OF CLEANING UP SPILLAGE:</b>	Maintain proper use of product. Avoid contact with skin, eyes and clothing. In case of contact, wash immediately with water. Clean any spillage; dispose of in accordance with the local and national regulations.

**HANDLING AND STORAGE**

Handling: avoid the formation of irritating dust. Provide accurate dust captivation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.
Storage: store in a cool (below 30°C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic materials such as paper towel, wood, clothes, etc..., which could induce spontaneous combustion.
Protect from heat and sunlight; store in places far from rain and humidity; never store out of doors.

**PERSONAL PROTECTION/EXPOSURE CONTROL**

<b>AMMONIUM PERSULFATE</b>	TLV-TWA 1 mg/m <sup>3</sup>
<b>POTASSIUM PERSULFATE</b>	TLV-TWA 0.10mg/m <sup>3</sup>
<b>SODIUM PERSULFATE</b>	TLV_TWA (UK) 1mg/m <sup>3</sup>
<b>PRECAUTIONARY MEASURES:</b>	Exhaust ventilation is required where the products are stored and/or handled. Keep far from food, drink and animal feeding stuffs.

<b>RESPIRATORY PROTECTION:</b>	Not requested for normal use; you may wear a paper mask for powders. Avoid inhalation. When containers are open, protect the face. For prolonged exposures, wear a mask for harmful powders.
<b>SKIN/HAND PROTECTION:</b>	Always wear protective gloves.
<b>EYE PROTECTION:</b>	Not required. Avoid contact.

**PHYSICAL/CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b>	Pale Blue Powder
<b>ODOR:</b>	Characteristic
<b>BULK DENSITY:</b>	0.78-0.98 g/ml
<b>MELTING POINT:</b>	not known
<b>BOILING POINT:</b>	not known
<b>SOLUBILITY IN WATER:</b>	Partially soluble
<b>DECOMPOSITION TEMPERATURE:</b>	>65°C
<b>pH (AQUEOUS DISPERSION 1g/100ml)</b>	10.3-11.3
<b>% PERSULFATES</b>	50-60
<b>% ACTIVE OXYGEN</b>	3.45-4.05

**STABILITY AND REACTIVITY**

The product does not undergo decomposition if handled in accordance with regulations. The product is stable in security conditions, up to 65°C; above this temperature it slowly starts to decompose, releasing small quantities of oxygen and ammonia. At approximately 180°C decomposition becomes fast and self-accelerating, and generates oxygen which can give rise to relevant fires.	
<b>Humidity</b> is a very important factor, because the product moisture – when not kept under control and not stable – can considerably lower the decomposition temperature.	
<b>CONDITIONS TO AVOID:</b>	<b>Heat, moisture</b> , reducing agents such as waving lotions. Avoid impacts. Do not subject to friction. May build electrostatic charges.
<b>INCOMPATIBILITIES:</b>	Acids, alkali, metals, burning and combustible materials. Do not use metallic bowls or stirrers.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Corrosive gases/vapours; toxic gases/vapours of sulphur oxides (SO <sub>x</sub> ), ammonia, nitrogen oxides (NO <sub>x</sub> ) and ozone.

**TOXICOLOGICAL INFORMATION**

This product contains ingredients that 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.	
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	For purpose of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture.

<b>TARGET ORGANS:</b>	Skin, respiratory system.
<b>ROUTE OF ENTRY:</b>	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 likely to get worse by a skin irritant; bronchitis is aggravated by irritant gases of particulates in the air.	
The list below reports the toxicities of the main ingredients:	
<b>AMMONIUM PERSULFATE:</b>	LD50 (oral rat) = 820 mg/kg
<b>POTASSIUM PERSULFATE:</b>	LD50 (oral rat) = 805 mg/kg
<b>SODIUM PERSULFATE:</b>	LD50 (oral rat) = 895 mg/kg
Harmful if swallowed. ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea.	

**ECOLOGICAL INFORMATION**

Always follow good hygienic work practices. Avoid product dispersion in the environment.	
<b>PERSULFATES WATER TOXICITIES</b>	
<b>EC50(72h)</b>	83.7
<b>EC50(48h)</b>	120 mg/l
<b>LC50(96h)</b>	76.3 mg/l

**WASTE DISPOSAL METHOD**

Do not dispose of this product together with domestic waste. Do not let it enter the drainage system. Disposal should be in accordance with all applicable local and state regulations.
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**TRANSPORTATION INFORMATION**

<b>UN No: 3215</b>		
<b>Road/Railway Transport (AD/RID - GGVS/E)</b>		
<b>CLASS</b>	5.1	Oxidizing flammable solid
<b>PACKAGING GROUP</b>	III	
<b>PROPER SHIPPING NAME</b>		PERSULPHATES, INORGANIC, N.O.S (Potassium persulfate, Ammonium persulfate)
<b>Marine Transport (IMO/IMDG)</b>		
<b>CLASS</b>	5.1	
<b>PACKAGING GROUP</b>	III	
<b>PROPER SHIPPING NAME</b>		PERSULPHATES, INORGANIC, N.O.S (Potassium persulfate, Ammonium persulfate) Non-marine polluant.
<b>Air Transport (ICAO/IATA)</b>		
<b>CLASS</b>	5.1	
<b>PACKAGING GROUP</b>	III	
<b>PROPER SHIPPING NAME</b>		PERSULPHATES, INORGANIC, N.O.S (Potassium persulfate, Ammonium persulfate)

**REGULATORY INFORMATION**

<b>CLASSIFICATION ACCORDING TO CEE DIRECTIONS</b>
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<b>R PHRASES</b>	<b>R7</b>	May cause fire
	<b>R20/22</b>	Harmful by inhalation and if swallowed
	<b>R36/37/38</b>	Irritating to eyes, respiratory system & skin
	<b>R42/43</b>	May cause sensitization by inhalation and skin contact
<b>S PHRASES</b>	<b>S2</b>	Keep out of reach of children
	<b>S7/8</b>	Keep container tightly closed & dry
	<b>S15</b>	Keep away from heat
	<b>S24/25</b>	Avoid contact with eyes & skin
	<b>S46</b>	If swallowed, seek medical advice immediately and show this container label
<b>INDICATIONS FOR WORK RESTRICTIONS</b>	Follow work restrictions for young personnel (DIR 94/33/EC)	
	Follow work restrictions for gestating of nursing women (DIR/92/33/CEE)	

**FURTHER INFORMATION**

This information is based on our present state of knowledge and is intended solely to describe our productions in terms of safety requirements. It should not be construed in any way, as guaranteeing specific properties.

This safety data sheet cancels and replaces any previous edition.