

# Safety Data Sheet ( S D S )

Execution Date Jan/11/2019  
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## 1. IDENTIFICATION

PRODUCT NAME	エバーローズ
MANUFACTURER'S NAME	PALACE CHEMICAL CO., LTD.
DEPARTMENT	SALES DIVISION
MANUFACTURING DEPT	No. 3 RESEARCH SECTION., R&D DIVISION
ADDRESS	1-11-16 FUKUURA KANAZAWA-KU YOKOHAMA 236-0004 JAPAN
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EMERGENCY PHONES	SALES DIVISION +81-45-784-7241
PRODUCT USE/RESTRICTION	CUT FLOWER PRESERVATION
PRODUCT REFERENCE NUMBER	68164141-2

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

#### PHYSICOCHEMICAL HAZARDS

FLAMMABLE LIQUIDS	Not classified
FLAMMABLE SOLIDS	Not objects to classify
CORROSIVE TO METALS	Classification not possible

#### HEALTH HAZARDS

ACUTE TOXICITY (Oral)	Category5
ACUTE TOXICITY (Dermal)	Not classified
ACUTE TOXICITY (Gases)	Not objects to classify
ACUTE TOXICITY (Vapours)	Not classified
ACUTE TOXICITY (Dusts and Mists)	Not classified
SKIN CORROSION/IRRITATION	Category1
SERIOUS EYE DAMAGE/EYE IRRITATION	Category1
RESPIRATION SENSITIZATION	Not classified
SKIN SENSITIZATION	Category1
GERM CELL MUTAGENICITY	Not classified
CARCINOGENICITY	Not classified
REPRODUCTIVE TOXICITY	Not classified
SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE	Not classified(THE WHOLE BODY)

SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE	Not classified(THE WHOLE BODY)
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ASPIRATION HAZARD	Classification not possible
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#### ENVIRONMENT HAZARDS

HAZARD TO THE AQUATIC ENVIRONMENT (ACUTE)	Classification not possible
HAZARD TO THE AQUATIC ENVIRONMENT (CHRONIC)	Classification not possible
HAZARDOUS TO THE OZONE LAYER	Classification not possible

### LABEL ELEMENTS

#### PICTOGRAMS



#### SIGNAL WORD

Danger

#### HAZARD INFORMATION

May be harmful if swallowed  
Causes severe skin burns and eye damage  
Causes serious eye damage  
May cause an allergic skin reaction

### PRECAUTIONARY STATEMENTS

#### SECURITY PRECAUTION

- Refer to SDS before use.
- Keep cool.
- Keep container tightly closed.
- Keep only in original packaging.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash...thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.

## FIRST AID MEASURES

- IF INHALED: Call a POISON CENTER/doctor/if you feel unwell.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- IF ON SKIN: Wash with plenty of water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.
- Wash contaminated clothing before reuse.
- Immediately call a POISON CENTER/doctor/.
- Call a POISON CENTER/doctor/... if you feel unwell.
- Specific treatment(see...on this label).

## STORAGE

- Store in a well-ventilated place keeping cool.
- Protect from sunlight.
- Lock up the store if possible.

## DISPOSAL

- Dispose of contents and container in accordance with local, regional and national regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

SINGLE SUBSTANCE/MIXTURE	Mixture	
COMMON NAME		
COMPOSITION AND CONTENT	Water	50-60%
	Additives	40-50%
CHEMICAL PROPERTIES(Chemical formula)	Can not be identified	

CAS No. Because trade secrets can not be described  
 GAZETTE NOTICE REFERENCE NUMBER (JAPAN) Because trade secrets can not be described

## HAZARDOUS INGREDIENTS

## INDUSTRIAL SAFETY AND HEALTH ACT(ARTICLE 57-2) [JAPAN]

Substances	Cabinet Order No.	Content (%)	CAS No.
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## INDUSTRIAL SAFETY AND HEALTH ACT (ARTICLE 57) [JAPAN]

Substances	Cabinet Order No.	Content (%)	CAS No.
—	—	—	—

## PRTR LAW[JAPAN]

Substances	Cabinet Order No.	Application	Content (%)	CAS No.

## 4. FIRST AID MEASURES

- IF IN EYES : Immediately wash with plenty of water carefully for several minutes, get medical attention if pain or irritation persists.  
: In cases that contact lenses is used, remove contact lenses and continue to wash eyes.
- IF INHALED : Remove to fresh air. Cover the body with towels to keep warm, rest in silence, get medical treatment if necessary.
- IF ON SKIN : Remove or take off immediately all contaminated clothing and shoes, wash the attached parts with soap and water, and flush with plenty of water.  
: Get medical treatment if you experience skin irritation or inflammation.
- IF SWALLOWED : Gargle with water. Drink plenty of water, vomit and get medical treatment immediately if possible.

## 5. FIRE-FIGHTING MEASURES

## EXTINGUISHING AGENT

: Dry chemicals, foam extinguishing agents, carbon dioxide, dry sand, fog-like liquid reinforcement.

## PROTECTION OF THE FIREMAN

: In fire-extinguishing activity, should wear protective equipment and extinguish the fire from windward.

## SPECIFIC HARMFUL &amp; DANGEROUS

: Non-flammable for containing water, but flammable if the water evaporated.

## 6. ACCIDENTAL RELEASE MEASURES

## NOTICE TO THE HUMAN BODY

: Operators should wear protective equipment.

: Dispose of the deposits and waste according to the related regulations.

## NOTICE TO THE ENVIRONMENT

: Take special care not to have it emitted into either rivers or sewer.

## CLEANUP METHOD

: Recover with earth, sand and waste cloths when in small amount, and wipe thoroughly with waste cloths.

## 7. HANDLING AND STORAGE

## HANDLING :

## NOTES

: Do not use except intended purpose.

: Do not adhere to clothes can be stained.

: Please keep it out of the reach of children in a cool place away from direct sunlight and make sure to close the lid after use.

: Do not use metallic container to become eroded.

## SAFETY HANDLING PRECAUTIONS

: Wear proper protective equipment to avoid inhaling or contacting with eyes and skin.

: Refer to SDS before use.

: Do not touch, inhale, or swallow.

: Wash hands thoroughly after handling.

## STORAGE :

Technical measures, mixed touch banned substances, packaging materials : Store in a well-ventilated and cool place. Keep the container tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

STANDARD CONTROL CONCENTRATION : Not set

TOLERANCE CONCENTRATION : Not set

## PROTECTIVE DEVICE

- : Use the personal protective clothing and full face mask whenever necessary.
- : Use personal protective equipment if needed.

## APPROPRIATE SANITARY REQUIREMENT

- : Replace the absorbents such as masks regularly or each time when being used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATUS	: LIQUID
COLOR	: Colorless
ODOUR	: In odor
MELTING POINT/FREEZING POINT (°C)	: No data
BOILING POINT (°C)	: No data
INITIAL BOILING POINT	: No data
BOILING RANGE	: No data
FLAMMABILITY	: Yes
EXPLOSIVE RANGE (EXPLOSION LIMIT Estimate vol%)	: Lower limit : No data
(EXPLOSION LIMIT Estimate vol%)	: Upper limit : No data
FLASH POINT (°C)	: No flash point
SPONTANEOUS IGNITION TEMPERATURE (°C)	: No data
TEMPERATURE OF DECOMPOSITION (°C)	: No data
pH	: 1.4
KINEMATIC VISCOSITY	: No data
SOLUBILITY FOR WATER	: Soluble
SOLUBILITY FOR ORGANIC SOLVENT	: No data
OCTANOL/WATER PARTITION COEFFICIENT	: No data
VAPOR PRESSURE (kPa)	: No data
DENSITY (g/cm <sup>3</sup> ) 15°C	: 1.19
RELATIVE VAPOUR DENSITY	: No data
PARTICLE CHARACTERISTICS	: No data
POUR POINT (°C)	: No data
EVAPORATION RATE (VOLATILE)	: No data

## 10. STABILITY AND REACTIVITY

## REACTION STABILITY

- : Avoid the contact with strong oxidant.

## 11. TOXICOLOGICAL INFORMATION

## HAZARD OF PRODUCT

ACUTE TOXICITY (Oral)	: Category5 ACUTE TOXICITY Estimate (Oral) LD50 (mg/kg) : 4700
ACUTE TOXICITY (Dermal)	: Not classified ACUTE TOXICITY Estimate (Dermal) LD50 (mg/kg) : 5000<
ACUTE TOXICITY (Gases)	: Not objects to classify Appearance form is not a gas.
ACUTE TOXICITY (Vapours)	: Not classified ACUTE TOXICITY Estimate (Vapours) LC50 (mg/l) : 50<
ACUTE TOXICITY (Dusts and Mists)	: Not classified ACUTE TOXICITY Estimate (Dusts and Mists) LC50 (mg/l) : 12<
SKIN CORROSION/IRRITATION	: Category1 PH : 1.4
SERIOUS EYE DAMAGE/EYE IRRITATION	: Category1 PH : 1.4
RESPIRATION SENSITIZATION	: Not classified For the concentration of the cut-off value
SKIN SENSITIZATION	: Category1

Include the following materials  
(Category1)

GERM CELL MUTAGENICITY	: Not classified For the concentration of the cut-off value
CARCINOGENICITY	: Not classified For the concentration of the cut-off value
REPRODUCTIVE TOXICITY	: Not classified For the concentration of the cut-off value
SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE	: THE WHOLE BODY Not classified For the concentration of the cut-off value
SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE	: THE WHOLE BODY Not classified For the concentration of the cut-off value
ASPIRATION HAZARD	: Classification not possible No data

## 12. ECOLOGICAL INFORMATION

### HAZARD OF PRODUCT

TOXICITY	: No data
PERSISTENCE AND DEGRADABILITY	: No data
BIOACCUMULATIVE POTENTIAL	: No data
MOBILITY IN SOIL	: No data
HAZARD TO THE OZONE LAYER	: No data

## 13. DISPOSAL CONSIDERATION

### RESIDUAL WASTE

- : Do not release used water for cleansing into ground or drain.
- : Burn in accordance with the industrial waste processing standards.
- : Companies should dispose of the industrial waste by itself, or subcontracting to industrial waste processing companies certified by state government, or local public body.
- : No dumping.
- : Avoid inhaling smoke when fighting fire for the burning gas contains toxic gases such as carbon monoxide, carbon dioxide, sulfur oxides, chlorine gas, nitrogen compounds, phosphate compounds and others.

## 14. TRANSPORT INFORMATION

### INTERNATIONAL LAW

- : Follow the IATA rules when transporting by air and IMDG when sea.

### DOMESTIC LAW

- : Transfer with vessels and methods in accordance with the following relevant domestic laws.

### LAND

- : The Fire and Disaster Management Act Nonhazardous Material

### MARINE

- : SHIP SAFETY ACT[JAPAN] CORROSIVE SUBSTANCES (VIII DANGEROUS RULES ARTICLE 3)

### AVIATION

- : CIVIL AERONAUTICS ACT[JAPAN] CORROSIVE SUBSTANCES (VIII ENFORCEMENT REGULATIONS ARTICLE 19 4)

### UN CLASSIFICATION

- : CLASS 8 PACKING GROUP III CORROSIVE SUBSTANCES

### UN NO.

- : 3265

### PROPER SHIPPING NAME

- : CORROSIVE LIQUID, ACIDIC, ORGANIC, N. O. S. (CITRIC ACID MIXTURE)

### NOTES

- : Ensure there is no leakage, collapse, falling or damage when embarking.

### SPECIFIC SAFETY MEASURES AND CONDITIONS FOR TRANSPORT

- : Before transporting, make sure the container has no damage, corrosion or leakage.
- : Load with care so that there's no turning over, falling down or any damages, and make sure that there'll be no collapses.
- : Package, display and transfer in accordance with applicable laws.

## 15. REGULATORY INFORMATION

### THE FIRE AND DISASTER MANAGEMENT ACT[JAPAN]

: The Fire and Disaster Management Act Nonhazardous Material

### INDUSTRIAL SAFETY AND HEALTH ACT(ARTICLE 57-2) [JAPAN]

: NOT APPLICABLE

### INDUSTRIAL SAFETY AND HEALTH ACT (ARTICLE 57) [JAPAN]

: NOT APPLICABLE

### INDUSTRIAL SAFETY AND HEALTH ACT (DANGEROUS SUBSTANCES) [JAPAN]

: NOT APPLICABLE

### ORDINANCE ON PREVENTION OF ORGANIC SOLVENT POISONING[JAPAN]

: NOT APPLICABLE

### ORDINANCE ON PREVENTION OF HAZARDS DUE TO SPECIFIED CHEMICAL SUBSTANCES[JAPAN]

: NOT APPLICABLE

### PRTR LAW[JAPAN]

: NOT APPLICABLE

### POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW[JAPAN]

: NOT APPLICABLE

### ACT ON THE EVALUATION OF CHEMICAL SUBSTANCES AND REGULATION OF THEIR MANUFACTURE, ETC. [JAPAN]

: NOT APPLICABLE

### WASTE MANAGEMENT AND PUBLIC CLEANSING LAW[JAPAN]

: INDUSTRIAL WASTE REGULATIONS(SPREAD, RUNOFF BAN )

### SHIP SAFETY ACT[JAPAN]

: CORROSIVE SUBSTANCES (VIII DANGEROUS RULES ARTICLE 3)

### CIVIL AERONAUTICS ACT[JAPAN]

: CORROSIVE SUBSTANCES (VIII ENFORCEMENT REGULATIONS ARTICLE 194)

## 16. OTHER INFORMATION

### REFERENCE

- ACGIH (2008)
- NATIONAL INSTITUTE OF TECHNOLOGY AND EVALUATION AGENCY GHS CLASSIFICATION RESULTS DATABASE
  
- SDS OF RAW MATERIALS
- JAPAN SOCIETY OF OCCUPATIONAL HEALTH 「OCCUPATIONAL EXPOSURE LIMITS」
- GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) (Rev. 6)

### RESPONSE SECTION FOR ABOVE INFORMATION

Please inquire of section of "1. Identification".

This product safety data sheet is based on the material information. Therefore, it is sometimes revised new knowledge.

When you treat this product, consult this data sheet and try to do according to the actual state under possibility for you.

This data sheet is not the guarantee of the safety and the quality.

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