

Safety Data Sheet acc. to OSHA HCS

Printing date 08/16/2019

Reviewed on 08/16/2019

1 Identification

- **Product identifier**
- **Trade name:** GOLDWELL OXYCUR PLATIN DUST-FREE Lightening Powder
- **Article number:** 201308 - 500g / 201310 - 1000g
- **Product category** PC39 Cosmetics, personal care products
- **Application of the substance / the mixture** Hair cosmetics
- **Manufacturer/Supplier:**
Kao USA Inc.
2535 Spring Grove Avenue
Cincinnati, Ohio 45214 / USA
KaoGermanySDS@kao.com
- **Information department:**
CHEMTREC
KaoGermanySDS@kao.com
- **Emergency telephone number:**
CHEMTREC (US): (0800) 424-9300
CHEMTREC (Outside US): +1 (703) 527-3887 (24h)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Ox. Sol. 3 H272 May intensify fire; oxidizer.
Acute Tox. 4 H302 Harmful if swallowed.
Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**
- **Hazard pictograms**



GHS03 GHS05 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
potassium persulphate
disodium metasilicate
ammonium persulphate
tetrasodium ethylenediaminetetraacetate
- **Hazard statements**
H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
- **Precautionary statements**
P210 Keep away from heat.
P220 Keep/Store away from clothing/combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P260 Do not breathe dusts or mists.

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- P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 [In case of inadequate ventilation] wear respiratory protection.
 P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
 P302+P352 If on skin: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep 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.
 P310 Immediately call a poison center/doctor.
 P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
 P363 Wash contaminated clothing before reuse.
 P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in a ccordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 3
 Fire = 3
 Reactivity = 0

The substance possesses oxidizing properties.

- **HMIS-ratings (scale 0 - 4)**



Health = *3
 Fire = 3
 Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

| | | |
|----------------|---|----------|
| CAS: 7727-21-1 | potassium persulphate ⚠ Ox. Sol. 3, H272 ⚠ Resp. Sens. 1, H334 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335 | 30-50% |
| CAS: 7727-54-0 | ammonium persulphate ⚠ Ox. Sol. 3, H272 ⚠ Resp. Sens. 1, H334 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335 | ≥15-<20% |

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| | | |
|----------------|---|----------|
| CAS: 6834-92-0 | disodium metasilicate  Skin Corr. 1A, H314  Acute Tox. 4, H302; STOT SE 3, H335 | 10-15% |
| CAS: 8042-47-5 | Mineral Oil/ Paraffinum Liquidum  Asp. Tox. 1, H304 | 2.5-10% |
| CAS: 64-02-8 | tetrasodium ethylenediaminetetraacetate  Eye Dam. 1, H318  Acute Tox. 4, H302 | ≥1-≤2.5% |

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

- **Information for doctor:** Treat symptomatically.

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

· **Suitable extinguishing agents:** Water spray jet. Carbon dioxide. Dry powder. Foam.

· **For safety reasons unsuitable extinguishing agents:** Full water jet.

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

Exposure to decomposition products may be a hazard to health

No further relevant information available.

- **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

- **Additional information**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use water spray to cool unopened containers.

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

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Use neutralizing agent.

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Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

· **Information about protection against explosions and fires:**

Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Keep only in original container. Provide alkali-resistant floor.

· **Information about storage in one common storage facility:**

Do not store together with acids. Do not store with combustible materials.

· **Further information about storage conditions:**

Keep receptacle tightly sealed. Keep container in a well-ventilated place.

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

CAS: 7727-21-1 potassium persulphate (30-50%)

| | |
|-----|---|
| TLV | Long-term value: 0.1 mg/m ³ as persulfate |
|-----|---|

CAS: 7727-54-0 ammonium persulphate (≥15-<20%)

| | |
|-----|---|
| TLV | Long-term value: 0.1 mg/m ³ as persulfate |
|-----|---|

CAS: 9005-25-8 ZEA Mays (Corn) Starch (2.5-10%)

| | |
|-----|---|
| PEL | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction |
|-----|---|

| | |
|-----|---|
| REL | Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction |
|-----|---|

| | |
|-----|---------------------------------------|
| TLV | Long-term value: 10 mg/m ³ |
|-----|---------------------------------------|

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

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· **Breathing equipment:**

Not required.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Not required under normal conditions. The details concerned are recommendations.

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. - Please contact the glove supplier for further information.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Not required under normal conditions

If there is a risk of splashing: safety glasses

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Solid

Color:

According to product specification

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value at 20 °C (68 °F):**

10.2

· **Change in condition**

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

Undetermined.

· **Flash point:**

Not applicable.

· **Flammability (solid, gaseous):**

Not determined.

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Vapor pressure:**

Not applicable.

· **Density:**

Not determined.

· **Relative density**

Not determined.

· **Vapor density**

Not applicable.

· **Evaporation rate**

Not applicable.

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- | | |
|---|---|
| · Solubility in / Miscibility with Water: | <i>Insoluble.</i> |
| · Partition coefficient (n-octanol/water): | <i>Not determined.</i> |
| · Viscosity: | |
| Dynamic: | <i>Not applicable.</i> |
| Kinematic: | <i>Not applicable.</i> |
| · Solvent content: | |
| Organic solvents: | <i>0.0 %</i> |
| VOC content: | <i>0.0 %</i> |
| Solids content: | <i>99.9 %</i> |
| · Other information | <i>No further relevant information available.</i> |

10 Stability and reactivity

- Reactivity**
*No dangerous reactions known if used as directed.
No further relevant information available.*
- Chemical stability** *The product is stable under standard conditions.*
- Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- Possibility of hazardous reactions** *No dangerous reactions known.*
- Conditions to avoid** *No further relevant information available.*
- Incompatible materials:** *No further relevant information available.*
- Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- Information on toxicological effects**
- Acute toxicity:**

- LD/LC50 values that are relevant for classification:**

| | | |
|---|------|-------------------|
| CAS: 7727-21-1 potassium persulphate | | |
| Oral | LD50 | 802 mg/kg (rat) |
| CAS: 7727-54-0 ammonium persulphate | | |
| Oral | LD50 | 820 mg/kg (rat) |
| CAS: 6834-92-0 disodium metasilicate | | |
| Oral | LD50 | 1,280 mg/kg (rat) |

- Primary irritant effect:**
- on the skin:** *Strong caustic effect on skin and mucous membranes.*
- on the eye:**
*Strong caustic effect.
Strong irritant with the danger of severe eye injury.*
- Sensitization:**
*Sensitization possible through inhalation.
Sensitization possible through skin contact.*
- Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Corrosive
Irritant

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Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

| | | |
|----------------|--------------------------------------|---|
| CAS: 7631-86-9 | silicon dioxide, chemically prepared | 3 |
| CAS: 91-64-5 | Coumarin | 3 |
| | Propan-2-ol | 3 |
| CAS: 97-53-0 | Eugenol | 3 |

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, ADR/RID/ADN, IMDG, IATA** UN1479

· **UN proper shipping name**

· **DOT**

Oxidizing solid, n.o.s. (Potassium persulfate, Ammonium persulfate)

· **IMDG, IATA**

OXIDIZING SOLID, N.O.S. (POTASSIUM PERSULPHATE, AMMONIUM PERSULPHATE)

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· **Transport hazard class(es)**

· **DOT**



· **Class**

5.1 Oxidizing substances

· **Label**

5.1

· **ADR/RID/ADN, IMDG, IATA**



· **Class**

5.1 Oxidizing substances

· **Label**

5.1

· **Packing group**

· **DOT, ADR/RID/ADN, IMDG, IATA**

III

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Oxidizing substances

· **Danger code (Kemler):**

50

· **EMS Number:**

F-A,S-Q

· **Stowage Category**

B

· **Segregation Code**

SG38 Stow "separated from" SGG2-ammonium compounds.
 SG49 Stow "separated from" SGG6-cyanides
 SG60 Stow "separated from" SGG16-peroxides
 SG61 Stow "separated from" SGG15-powdered metals

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

IATA: passenger & cargo aircraft forbidden

· **DOT**

· **Quantity limitations**

On passenger aircraft/rail: 25 kg
 On cargo aircraft only: 100 kg

· **IMDG**

· **Limited quantities (LQ)**

5 kg

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

· **UN "Model Regulation":**

UN 1479 OXIDIZING SOLID, N.O.S. (POTASSIUM PERSULPHATE, AMMONIUM PERSULPHATE), 5.1, III

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15 Regulatory information

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

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

Propan-2-ol

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

| | | |
|----------------|------------------------|----|
| CAS: 9005-25-8 | ZEA Mays (Corn) Starch | A4 |
| | Propan-2-ol | A4 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

· **Department issuing SDS:** Regulatory Affairs

· **Contact:** CHEMTREC: (+1 703 527-3887 (24h))

· **Date of preparation / last revision** 08/16/2019 / 5

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

US