

Safety Data Sheet

OSHA 29 CFR 1910.1200

Version No.: 1.0 Printing Date: March 16, 2021 Page 1/1

SDS REPORT

GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD
Building i-1, No.100, Beilong Road, Dagang Town, Nansha District, Guangzhou.

SDS Report No. : SDS202103022
Compilation Date : March 16, 2021
Sample Name : Laundry Detergent Sheet
Composition/Ingredient of The Sample : See Section 3 on the SDS
Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.
Summary : As per request, the contents and formats of the SDS are prepared in according with US Regulations Relating to Labor 29 CFR 1910.1200(g), and is provided per attached.

Signed for and on behalf of
FOCO Technical Center:



Johnny Zhang

Johnny Zhang
Technical director

Safety Data Sheet

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1 Identification

·Product identifier

·Trade name: Laundry Detergent Sheet

·Recommended use of the chemical and restrictions on use

·Application of the substance/ mixture: Wash clothes.

·Details of the supplier of the safety data sheet

·Manufacturer/Supplier:

GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD

Building i-1, No.100, Beilong Road, Dagang Town, Nansha District, Guangzhou

Tel: +86 018930068728

Email: zhongjj@xsclean.com

·Other US contact point:

Grove Collaborative

1301 Sansome Street San Francisco, CA 94111

Emily Doyle

Tel: 203-209-5755

Email: edoyle@grove.co

·Further information obtainable from: GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD

·Emergency telephone number

US Poison Center

Tel: + 1 800 222 1222 (24 hours available)

2 Hazard(s) identification

·Classification of the substance or mixture:

Acute toxicity-oral	Category 4	Harmful if swallowed
Skin corrosion/irritation	Category 2	Causes skin irritation
Sensitization-skin	Category 1	May cause an allergic skin reaction
Serious eye damage/eye irritation	Category 1	Causes serious eye damage
Specific target organ toxicity, single exposure- Respiratory tract irritation,	Category 3	May cause respiratory irritation

·Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended by company and literature data.

·Label elements

·Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

·Hazard pictograms:



·Signal word: Danger

·Hazard-determining components of labeling: Sodium dodecyl sulphate; Cocamidopropyl betaine

·Hazard statements:

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Harmful if swallowed

Causes skin irritation

Causes serious eye damage

May cause respiratory irritation

Precautionary statement:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Avoid breathing dust.

Wash hands and face thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/ eye protection/ face protection.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

If on skin: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

IF SWALLOWED: Rinse mouth. Call a POISON CENTRE/doctor if you feel unwell.

Specific treatments see the first aid measures on this label.

Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified (HNOC): No otherwise classified hazards.

3 Composition/information on ingredients

Chemical characterization: Mixture

Description: The mixture of substances listed below with nonhazardous additions.

Components:

CAS No.	Composition Name	w/w, %
9002-89-5	Polyvinyl alcohol	36.5
151-21-3	Sodium dodecyl sulphate	34.5
7732-18-5	Water	7.3
141464-42-8	Decyl glucoside	4.9
68201-46-7	PEG-7 Glyceryl cocoate	3.1
77846-79-8	Fatty acids, coco, esters with polyethylene glycol mono-Me ether	3.1
56-81-5	Glycerin	2.4
61789-40-0	Cocamidopropyl betaine	2.4
6132-04-3	Sodium citrate	2.2
8001-21-6	Sunflower seed oil	1.5
8047-15-2	Saponins	1
122-99-6	Phenoxyethanol	0.6

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497-19-8	Sodium carbonate	0.5
-	Fragrance	0.3

4 First aid measures

·Description of first aid measures

After inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

After skin contact: Wash with plenty of water; If skin irritation occurs: Get medical advice/attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

After swallowing: Rinse mouth. If feel unwell, get medical advice/attention.

·Information for doctor

·Most important symptoms and effects, both acute and delayed: Harmful if swallowed; Causes skin irritation; May cause an allergic skin reaction; Causes serious eye damage.

·Indication of any immediate medical attention and special treatment needed: Treat according to symptom, there is not known specific medicine.

5 Fire-fighting measures

·Suitable extinguishing agents: CO₂, chemical dry powder, water spray or alcohol resistant foam to extinguish.

·Special hazards arising from the substance or mixture: May produce corrosive / allergic dust.

·Special protective equipment and precaution for firefighters

·Protective equipment: Wear fully protective suit and mouth respiratory protective device.

6 Accidental release measures

·Personal precautions, protective equipment and emergency procedures:

Cut off the leakage source, and collect spillage timely if safe do it; Ensure adequate ventilation; Use respiratory protective device against the effects of dust; Avoid breathing dust; Wear protective gloves /eye protection/face protection; Avoid contact with skin and eyes.

·Environmental precautions:

Do not allow the product to enter sewers/surface or ground water; Inform respective authorities in case of seepage into water course or sewages system.

·Methods and material for containment and cleaning up:

Pick up mechanically with gloves; Ensure good ventilation; Dispose contaminated material as waster according to item 13.

7 Handling and storage

·Handling

·Precautions for safe handling:

Use only outdoors or in a well-ventilated area; Use respiratory protective device against the effects of dust; Avoid breathing dust;

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Wear eye protection/face protection; Prevent to contact with skin and eyes

·**Information about fire and explosion protection:** Normal measures for preventive fire protection.·**Conditions for safe storage, including any incompatibilities**·**Requirements to be met by storerooms and receptacles:** Store in a cool and well-ventilation place.·**Information about storage in one common storage facility:** Keep out of reach of children.·**Further information about storage conditions:** Store locked up.

8 Exposure controls/personal protection

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

CAS No.	Composition Name	Limit value
56-81-5	Glycerin	OSHA PEL: 15 mg/m ³ (total dust), 5 mg/m ³ (respirable)8-hour TWA; Cal/OSHA PEL: 10 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction) 8-hour TWA

·**Additional information:** The lists that were valid during the creation were used as basis.·**Based on the composition shown in section 3, the following measures are suggested for occupational safety measure:**·**Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face after handling; Contaminated work clothing must not be allowed out of the workplace; Wash contaminated clothing before reuse; See section 7 for information about design of technical facilities.

·**Personal protective equipment:**·**Breathing equipment:** Suitable respiratory protective device must be used.·**Protection of hands:**

Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11 mm; breakthrough times up to 480 minutes).

·**Eye protection:**

Protective goggles with side-shields.

·**Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9 Physical and chemical properties

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

Form	Solid
Color	White
Odor	Characteristic odor
Odor threshold	Not determined.

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·pH-value	8-10, saturated aqueous solution at 20 °C
·Change in condition	
Melting point/melting range	Not determined.
Boiling point and boiling range	Not determined.
·Freezing point	Not determined.
·Flash point	Not applicable.
·Flammability(solid, gas)	Not flammable solid
·Decomposition temperature	Not determined.
·Self-ignition	Product is not self-ignition.
·Danger of explosion	Product does not present explosive hazard.
·Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
·Oxidizing properties	Not oxidizing agent
·Vapor pressure	Not determined.
·Density	Not determined.
·Relative density	Not determined.
·Vapor density	Not determined.
·Evaporation rate	Not determined.
·Solubility in/Miscibility with	
Water	Soluble in water
·Partition coefficient (n-octanol/water)	Not determined.
·Viscosity	
Dynamic	Not applicable
Kinematic	Not applicable
·Other information	Not determined.

10 Stability and reactivity

- Reactivity:** No decomposition if used according to specification.
- Chemical stability:** Stable under recommended storage conditions.
- Possibility of hazardous reactions:** No known hazardous reaction.
- Conditions to avoid:** High temperature.
- Incompatible materials:** Strong acid and strong oxidizing agent.
- Hazardous decomposition products:** No known hazardous decomposition products.

11 Toxicological information

- Acute toxicity:** Harmful if swallowed.

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LD50/LC50 values that is relevant for classification:

9002-89-5 Polyvinyl alcohol

Rat	LD50-oral	23854mg/kg
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Mouse	LD50-oral	14700mg/kg
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151-21-3 Sodium dodecyl sulphate

Rat	LD50-oral	1228mg/kg
	LC50- inhalation	> 3900mg/m ³

56-81-5 Glycerin

Rat	LD50-oral	12600mg/kg
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Mouse	LD50-oral	4090mg/kg
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Rabbit	LD50-oral	27000mg/kg
	LD50-skin	>10000mg/kg

Remark: All the above data are from literature.

·Primary irritant effect**·Skin corrosion/irritation:** Irritant to skin.**·Serious eyes damage/ irritation:** Corrosive to eyes.**·Sensitization:** Sensitive to skin.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful, allergic, corrosive.

·Carcinogenic categories**·IARC (International Agency for Research on Cancer):**

9002-89-5	Polyvinyl alcohol	3
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·NTP (National Toxicology Program): None of the ingredients is listed.**12 Ecological information****·Toxicity****·Aquatic toxicity:****LC50/EC50/NOEC values that is relevant for classification:**

151-21-3 Sodium dodecyl sulphate

Short-term toxicity to fish	LC50 (4 days) 29 mg/L
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Long-term toxicity to fish	NOEC (42 days) 1.357 mg/L
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Short-term toxicity to aquatic invertebrates	LC50 (48 h) 3.15 - 5.55 mg/L
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Long-term toxicity to aquatic invertebrates	NOEC (7 days) 880 - 1 200 µg/L
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Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 53 - 120 mg/L
	NOEC (72 h) 30 mg/L

56-81-5 Glycerin

Short-term toxicity to fish	LC50 (4 days) 54 g/L
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Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L
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·Persistence and degradability:

151-21-3	Sodium dodecyl sulphate	Readily biodegradable in water
56-81-5	Glycerin	Readily biodegradable in water

·Bio-accumulative potential:

151-21-3	Sodium dodecyl sulphate	Log Pow = -2.03 at 20 °C
56-81-5	Glycerin	Log Pow= -1.75 at 25 °C and pH 7.4

·Mobility in soil: No available data.**·Additional ecological information****·Other adverse effects:** No known other adverse effects.

13 Disposal consideration

·Waste treatment methods**·Recommendation:** Must not be disposed together with household garbage.**·Un-cleaned packaging****·Recommendation:** Dispose of contents/container in according to the local regulation.

14 Transport information

·UN-Number

DOT, IMDG, IATA

Not regulated as dangerous goods, not applicable

·UN proper shipping name

DOT, IMDG, IATA

Void

·Transport hazard class (es)

DOT, IMDG, IATA

Class

Void

Label

Void

·Packing group

DOT, IMDG, IATA

Void

·Environmental hazardous

Marine pollution

No

·Special precautions for user

Void

·Danger code (Kemler)

Void

·EMS number

Void

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

Void

·UN "Model Regulation"

Void

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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): None of the ingredients is listed.

·TSCA (Toxic Substances Control Act):

9002-89-5	Polyvinyl alcohol
151-21-3	Sodium dodecyl sulphate
7732-18-5	Water
68201-46-7	PEG-7 Glyceryl cocoate
56-81-5	Glycerin
61789-40-0	Cocamidopropyl betaine
6132-04-3	Sodium citrate
8001-21-6	Sunflower seed oil
8047-15-2	Saponins
122-99-6	Phenoxyethanol
497-19-8	Sodium carbonate

·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.

·Washington, WAC 173-334-130 (CHCC): None of the ingredients is listed.

·Chemicals of Concern, published by Maine DEP on July, 2015: None of the ingredients is listed.

·Chemicals of High Concern to Children, published by Department of Health, Vermont, Rev Date Nov 24, 2014: None of the ingredients is listed.

·High Priority Chemicals of Concern for children's Health, Oregon, update on May 18, 2016: None of the ingredients is listed.

·Carcinogenicity categories

·EPA (Environmental Protection Agency): None of the ingredients is listed.

·TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

·NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

·OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

16 Other information

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or

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disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

- DOT: Department of Transportation
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association
LD50: Lethal dose, 50 percent
LC50: Lethal concentration, 50 percent
NOEC: No observed effect concentration
EC50: Concentration of maximal effect, 50 percent
PEL: Permissible Exposure Limit
TLV: Threshold limit value
REL: Recommended Exposure Limit

End of safety data sheet