



P.S.V. CHEMICAL CO., LTD.

Safety data sheet as per Globally Harmonized System (GHS)

SANGMAN GEL CLAY HAND WASH

Version No. 2

Date of print 21.02.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

SANGMAN GEL CLAY HAND WASH

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Personal Care

For the detailed identified uses of the product see appendix of the safety data sheet.

1.3 Details of the supplier of the safety data sheet

Company:

P.S.V. CHEMICAL CO., LTD.

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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Eye damage Category 1; H318

Acute aquatic toxicity Category 2; H401

May cause damage to organs; H371

2.2 Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word: Warning



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Hazard Statement:

H315 Cause skin irritation Category 2
H401 Acute aquatic toxicity Category 2.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.

Precautionary Statements (Response):

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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 or doctor/physician.
P303 + P352 IF ON SKIN (on hair): Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

2.3 Other hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3: Composition/Information on Ingredients

INCI/Chemical Name	Trade Name	CAS No.	% concentration
Dodecylbenzene Sulfonic Acid	LAS 96%	68584-22-5	3.0 – 5.0
Sodium Laureth Sulfate	SLES70	68891-38-3	10.0 – 15.0
Sodium Lauryl Sulfate	Galaxy 799	85586-07-8	1.0 – 3.0
Glycerin	Glycerin	56-81-5	0.5 – 1.5
Cocoamidopropyl Betaine	Galaxy CAPB SB	63641-59-8	1.0 – 3.0
Aluminium Silicate	KAOLIN	1332-58-7	5.0 – 10.0
Sodium chloride	Refined Salt	7647-14-5	3.0 – 6.0
Phenoxyethanol	Phenoxyethanol P10	122-99-6	0.2 – 0.6



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SECTION 4: First-Aid Measures

4.1 Description of first aid measures

If adverse health effects develop seek medical attention.

If inhaled:

Not relevant.

On skin contact:

Flush with plenty of water for at least 15 minutes. Seek medical advice, if necessary.

On contact with eyes:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

SECTION 5: Fire-Fighting Measures

5.1 Suitable extinguishing media

Water spray, carbon dioxide, dry powder, foam

5.2 Special hazards arising from the substance or mixture

Harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

5.3 Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.



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SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

7.2 Conditions for safe storage, including any incompatibilities

Suitable materials for containers: polyethylene (PE), High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Store protected against freezing.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating. Bulk shipping (Tank car/truck, container) of the product has to be coordinated with the product owner in advance. Please refer to the technical leaflet for further information.

A reduction of the active matter is possible. Please check! Below 10 °C, the product is no longer pumpable.



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Storage stability: 6 months

Storage temperature: ≤ 30 °C

Protect from temperatures below: 0 °C

The packed product is not damaged by low temperatures or by frost.

Protect from temperatures above: 50 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

7.3 Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits : Not known

Biological limit values : Not known

Appropriate engineering controls : Proper plant design, technical measures and working operations should minimize human exposure.

Individual protection measures, such as: Eye/face protection: Safety goggles.

Personal protective equipment (PPE) Skin protection: rubber gloves and shoes.

Respiratory protection: None required when adequate ventilation is available.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical appearance : White aqua viscous

Color Liquid : White

Odour : Characteristic

pH @ 25°C : 6 - 8

Viscosity @ 25°C (#4, 100 rpm) : 5,000 - 9,000 Cp

Specific gravity : 1.000 - 1.100



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SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

None if used for intended purpose.

10.4 Conditions to avoid

See MSDS section 7 - Handling and storage.

10.5 Incompatible materials

Substances to avoid:

No substances known that should be avoided.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological Information

Skin irritation	: Non-irritant
Eye irritation	: Minimal irritant
Sensitization	: Not sensitizing
Chronic Toxicity	: None identified
Ecotoxicity	: Not carcinogenic

SECTION 12: Ecological Information

12.1 Toxicity

Toxicity to fish:

LC50 > 10 - 100 mg/l, *Leuciscus idus* (Screening (style of OECD 203))



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Aquatic invertebrates:

EC50 > 10 - 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants:

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l, Pseudomonas putida (DIN 38412 Part 27 (draft))

Chronic toxicity to fish:

No observed effect concentration > 1 - 10 mg/l, Leuciscus idus

Chronic toxicity to aquatic invertebrates:

No observed effect concentration > 0.1 - 1 mg/l, Daphnia magna

12.2 Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Elimination information:

(Annex III, part A) The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Assessment bioaccumulation potential:

Significant accumulation in organisms is not to be expected.

12.4 Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

Study scientifically not justified.



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12.5 Results of PBT and vPvB assessment

According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

12.6 Other adverse effects

No data available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

SECTION 14: Transport Information

Land transport

ADR

Not classified as a dangerous good under transport

Regulations UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class (es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Special precautions for user : None known

RID

Not classified as a dangerous good under transport Regulations

UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class (es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Special precautions for user : None known



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Inland waterway transport

ADN

Not classified as a dangerous good under transport

Regulations UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class (es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Special precautions for user : None known

Transport in inland waterway vessel : Not evaluated

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class (es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Special precautions for user : None known

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class (es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Special precautions for user : None known



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

Regulation: Not evaluated

Shipment approved: Not evaluated

Pollution name: Not evaluated

Pollution category: Not evaluated

Ship Type: Not evaluated

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations specific for the product

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

Chemical Safety Assessment performed.

SECTION 16: Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the products properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.