

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



Solopol® Heavy Duty Hand Cleaner

Version 1.0

Print Date 30.05.2025

Revision Date 13.01.2025

SDS Number 350000046782
GEN_SOF Number 80682

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : Solopol® Heavy Duty Hand Cleaner

Recommended use : Personal care

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : SC Johnson Professional USA, Inc.,
2815 Coliseum Centre Dr.,
Suite 600, Charlotte, NC 28217,

Telephone : 1-800-248-7190 (Industrial/Institutional);
1-866-783-0422 (Healthcare)

Emergency telephone number : (800) 424-9300 CHEMTREC (North America)
(703) 527-3887 CHEMTREC (International, call collect)
(833) 289-4301 24hr Medical Emergency Line

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Serious eye damage/eye irritation	Category 2B	Causes eye irritation.

Labelling

Signal word
Warning

Hazard statements
Causes eye irritation.

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Precautionary statements

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

Keep out of reach of children.

Read label before use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

Wash hands thoroughly after handling.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Sodium lauryl ether sulfate	68891-38-3	5,00 - 10,00
Alcohols, C12-16, ethoxylated (EO = 5)	68551-12-2	5,00 - 10,00
Sodium chloride	7647-14-5	1,00 - 5,00
Titanium Dioxide	13463-67-7	0,10 - 1,00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

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Eyes	:	No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	No adverse effects expected when used as directed.
Ingestion	:	May cause abdominal discomfort. No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards during firefighting	:	Container may melt and leak in heat of fire.
Further information	:	Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wash thoroughly after handling.
Environmental precautions	:	Outside of normal use, avoid release to the environment.
Methods and materials for containment and cleaning up	:	Dike large spills. Clean residue from spill site.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Wash thoroughly after handling.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Other data : Stable at normal ambient temperature and pressure.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Titanium Dioxide	13463-67-7	0,2 mg/m3	-	-	ACGIH TWA
Titanium Dioxide	13463-67-7	2,5 mg/m3	-	-	ACGIH TWA
Titanium Dioxide	13463-67-7	15 mg/m3	-	-	OSHA TWA

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : suspension

Color : beige

Odour : Citrus

Odour Threshold : Test not applicable for this product type

pH : 4,4
at (20 °C)

Melting point/freezing point : -20°C - 0°C

Initial boiling point and boiling range : > 100°C

Flash point : does not flash

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : The product is not flammable.

Upper/lower flammability or explosive limits : Not measured as flashpoint >100 °C

Vapour pressure : Not measured as flashpoint >100 °C

Vapour density : Not measured as flashpoint >100 °C

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Relative density	: 1,065 g/cm3
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: Not required as the product is a mixture.
Auto-ignition temperature	: not auto-flammable
Decomposition temperature	: Test not applicable for this product type
Viscosity, dynamic	: 16.000 mPa.s at 20 C
Viscosity, kinematic	: 15.023 mm2/s
Oxidizing properties	: Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	: 0,1 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	: None identified

10. STABILITY AND REACTIVITY

Reactivity	: Do not mix with bleach or any other household cleaners.
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Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: None known.
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 > 5000 mg/kg
Acute inhalation toxicity	: LC50 > 10 mg/L
Acute dermal toxicity	: LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	Category 2B	-
Skin sensitisation	No classification proposed	-

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Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Sodium lauryl ether sulfate	LC50	Fish	7,1 mg/l	96 h
	flow-through test NOEC	Oncorhynchus mykiss (rainbow trout)	0,14 mg/l	28 d
Alcohols, C12-16, ethoxylated (EO = 5)	OECD Test	Danio rerio (zebra fish)	1 - 10 mg/l	96 h

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	Guideline 203			
Sodium chloride	flow-through test LC50	Lepomis macrochirus	5.840 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	252 mg/l	33 d
Titanium Dioxide	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium lauryl ether sulfate	EC50	Daphnia magna (Water flea)	7,2 mg/l	48 h
	NOEC	Daphnia magna	0,27 mg/l	21 d
Alcohols, C12-16, ethoxylated (EO = 5)	No data available			
Sodium chloride	static test EC50	Daphnia magna (Water flea)	340,7 - 469,2 mg/l	48 h
	NOEC	Daphnia pulex	314 mg/l	21 d
Titanium Dioxide	EC50	Daphnia magna (Water flea)	> 500 mg/l	48 h

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	NOEC	Daphnia magna	> 2,92 mg/l	21 d
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Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium lauryl ether sulfate	EC50	Algae	7,5 mg/l	96 h
Alcohols, C12-16, ethoxylated (EO = 5)	No data available			
Sodium chloride	IC50	Algae	3.014 mg/l	72 h
Titanium Dioxide	static test EC50	Pseudokirchneriella subcapitata (green algae)	61 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium lauryl ether sulfate	No data available		
Alcohols, C12-16, ethoxylated (EO = 5)	> 70 %	28 d	Readily biodegradable.
Sodium chloride	No data available		
Titanium Dioxide	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium lauryl ether sulfate	No data available	0,3
Alcohols, C12-16, ethoxylated (EO = 5)	No data available	No data available
Sodium chloride	1,09 QSAR	0,54
Titanium Dioxide	No data available	No data available

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Mobility

Component	End point	Value
Sodium lauryl ether sulfate		-
Alcohols, C12-16, ethoxylated (EO = 5)	No data available	
Sodium chloride	No data available	
Titanium Dioxide	No data available	

PBT and vPvB assessment

Component	Results
Sodium lauryl ether sulfate	Not fulfilling PBT and vPvB criteria
Alcohols, C12-16, ethoxylated (EO = 5)	Not fulfilling PBT and vPvB criteria
Sodium chloride	Not fulfilling PBT and vPvB criteria
Titanium Dioxide	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

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15. REGULATORY INFORMATION

- Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65** : This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

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Further information

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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