

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 1 of 9

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Surface Safe (Package 1)**

Other means of identification : (Premoistened towelette)

Recommended use of the chemical and restrictions on use

: Personal Care Applications
Restriction on use: None known

Chemical family

: Mixture.

Name, address, and telephone number
of the supplier:

Safetec of America, Inc.

887 Kensington Avenue
Buffalo, NY, USA
14215

Supplier's Telephone # : 716-895-1822

24 Hr. Emergency Tel # : 1-800-255-3924

Name, address, and telephone number
of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Towelette saturated with a yellow/green liquid. Chlorine or bleach odor.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom /WHMIS labeling and SDS requirements do not apply.

Label elements

Hazard pictogram(s)

None required under U.S. OSHA Hazcom and Canadian WHMIS regulations.

Signal Word

Not required

Hazard statement(s)

Not required

Precautionary statement(s)

Not required

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Sodium hypochlorite	Bleach	7681-52-9	1.0 - 2.0
sodium hydroxide	Caustic soda	1310-73-2	0.1 - 1.0

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 2 of 9

SAFETY DATA SHEET

Sodium lauryl sulfate	Sulfuric acid, monododecyl ester, sodium salt	151-21-3	0.1 - 1.0
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The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : Harmful effects are not expected under normal usage.
- Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.

Most important symptoms and effects, both acute and delayed

- : None expected, when used as intended.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO2). Water or fog spray.
- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : None expected, when used as intended.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not classified as flammable.

Hazardous combustion products

- : Sodium oxides. Chlorine.

Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.
- Special fire-fighting procedures* : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).
 Wear appropriate personal protective equipment.

Environmental precautions : Avoid release to the environment.

Methods and material for containment and cleaning up

- : Wipe up with absorbent material (e.g. cloth, fleece).

Special spill response procedures

- : Not applicable.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 3 of 9

SAFETY DATA SHEET

- : Avoid contact with eyes, skin and clothing. Do not ingest or swallow. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
- Conditions for safe storage** : Keep containers closed when not in use.
- Incompatible materials** : Strong oxidizing agents. Acids

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Sodium hypochlorite	N/Av	N/Av	N/Av	N/Av
sodium hydroxide	2 mg/m ³ (Ceiling)	N/Av	2 mg/m ³	N/Av
Sodium lauryl sulfate	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: None required under normal conditions.

Respiratory protection : None required under normal conditions.

Skin protection : None required under normal conditions.

Eye / face protection : None required under normal conditions.

Other protective equipment : None required when used as intended.

General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State** : Solid Towelette
- Colour** : Clear, colorless.
- Odour** : Chlorine or bleach odor.
- Odour threshold** : Not available.
- pH** : Not available.
- Melting Point/Freezing point** : Not available.

Initial boiling point and boiling range

: Not available.

Flash point : Not applicable.

Flashpoint (Method) : Not applicable.

Evaporation rate (BuAe = 1) : Not available.

Flammability : Not applicable.

Lower explosion or flammability limit (% by vol.)

: Not available.

Upper explosion or flammability limit (% by vol.)

: Not available.

Oxidizing properties : Not applicable

Explosive properties : Not explosive

Vapour pressure : Not available.

Relative vapour density : Not available.

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 4 of 9

SAFETY DATA SHEET**Relative density / Specific gravity**

: 1.1

Solubility in water : Complete**Other solubility(ies)** : Not available.**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**

: Not available.

Auto-ignition temperature : Not available.**Decomposition temperature** : Not available.**Viscosity** : Not available.**Particle characteristics** : Not applicable.**Volatiles (% by weight)** : Not available.**Volatile organic Compounds (VOC's)**

: Not available.

Absolute pressure of container

: Not available.

Flame projection length : Not available.**Other physical/chemical comments**

: Not applicable

SECTION 10. STABILITY AND REACTIVITY**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.**Chemical stability** : Material is stable under normal conditions.**Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

Conditions to avoid : Extremes of temperature and direct sunlight.**Incompatible materials** : Strong oxidizers. Acids**Hazardous decomposition products**

: See Section 5 (Fire Fighting Measures).

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:****Routes of entry inhalation** : YES**Routes of entry skin & eye** : YES**Routes of entry Ingestion** : YES**Routes of exposure skin absorption**

: YES

Potential Health Effects:**Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: None expected, when used as intended.

Sign and symptoms ingestion

: None expected, when used as intended.

Sign and symptoms skin

: None expected, when used as intended. Prolonged contact may produce chemical burns to affected skin areas.

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 5 of 9

SAFETY DATA SHEET

Sign and symptoms eyes : None expected, when used as intended. Direct contact will result in severe irritation. Symptoms may include a burning sensation, pain, watering, and/or changes in vision (blurred vision).

Potential Chronic Health Effects

: None expected, when used as intended.

Mutagenicity

: Not expected to be mutagenic.

Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

: None expected, when used as intended.

Medical conditions aggravated by overexposure

: Not available.

Synergistic materials

: Not available

Toxicological data

: See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Sodium hypochlorite	>5250 mg/m ³ (>5.25 mg/L)	8800 mg/kg (12.5%); 5800 mg/kg (mouse)	>20 g/kg (12.5%)
sodium hydroxide	N/Av	N/Av	N/Av
Sodium lauryl sulfate	>3900 mg/m ³	1280 mg/kg	N/Av

Other important toxicological hazards

: Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Contains material that may be harmful in the environment. Avoid release to the environment.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Sodium hypochlorite	7681-52-9	0.059 mg/L (Rainbow trout)	0.04 mg/L (Tidewater silverside)	10
sodium hydroxide	1310-73-2	125 mg/L (Mosquito fish)	N/Av	None.
Sodium lauryl sulfate	151-21-3	29mg/L (Fathead minnow)	>1.36mg/L (Fathead minnow)	None.

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 6 of 9

SAFETY DATA SHEET

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Sodium hypochlorite	7681-52-9	0.032 mg/L Water flea	0.02 mg/L (NOEC) (Mysid shrimp)	10
sodium hydroxide	1310-73-2	40.4 mg/L (Daphnia magna)	N/Av	None.
Sodium lauryl sulfate	151-21-3	5.55mg/L (Daphnia magna)	3.2 mg/L (Daphnia magna)	None.

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Sodium hypochlorite	7681-52-9	46 mg/L/96hr (Red algae)	N/Av	None.
sodium hydroxide	1310-73-2	N/Av	N/Av	None.
Sodium lauryl sulfate	151-21-3	>120mg/L (Green algae)	>30mg/L (Green algae)	None.

Persistence and degradability

: Not available.

Bioaccumulation potential

: Not available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Sodium hypochlorite (CAS 7681-52-9)	N/Av	N/Av
sodium hydroxide (CAS 1310-73-2)	N/Av	N/Av
Sodium lauryl sulfate (CAS 151-21-3)	1.6	2.1-5.3

Mobility in soil

: Not available.

Other Adverse Environmental effects

: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Dispose of in accordance with local regulations.

Methods of Disposal

: Dispose of in accordance with local regulations.

RCRA

: Not applicable.




Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 7 of 9

SAFETY DATA SHEET

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
Sodium hypochlorite	7681-52-9	Yes	100 lb/ 45.4 kg	N/Av	No	N/Ap
sodium hydroxide	1310-73-2	Yes	1000 lb/ 454 kg	N/Av	No	NS
Sodium lauryl sulfate	151-21-3	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Flammable Skin irritation ; Acute toxicity Eye irritation .

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 8 of 9

SAFETY DATA SHEET

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Sodium hypochlorite	7681-52-9	No	N/Ap	Yes	Yes	Yes	Yes	Yes	No
sodium hydroxide	1310-73-2	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Sodium lauryl sulfate	151-21-3	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All components of this product are on the Canadian DSL list.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Sodium hypochlorite	7681-52-9	231-668-3	Present	Present	(1)-237	KE-31506	Present	HSR003698
sodium hydroxide	1310-73-2	215-185-5	Present	Present	(2)-1972; (1)-410	KE-31487	Present	HSR001547
Sodium lauryl sulfate	151-21-3	205-788-1	Present	Present	(2)-1679; (2)-1675	KE-21884	Present	HSR003122

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- LC: Lethal Concentration
- LD: Lethal Dose
- N/Ap: Not Applicable
- N/Av: Not Available
- NOEC: No observable effect concentration
- NTP: National Toxicology Program
- OECD: Organisation for Economic Co-operation and Development
- OEL: National occupational exposure limits
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- PPE: Personal Protective Equipment
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TWA: Time Weighted Average

Surface Safe (Package 1)

SDS Revision Date (mm/dd/yyyy): 12/15/2025

Page 9 of 9

SAFETY DATA SHEET

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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Revision Information

: 9. PHYSICAL AND CHEMICAL PROPERTIES

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