

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



PLEDGE® LEMON ENHANCING WIPES / LEMON CLEAN WIPES

Version 1.1

Print Date 06/01/2018

Revision Date 02/25/2015

SDS Number 350000003609

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : **PLEDGE® LEMON ENHANCING WIPES / LEMON CLEAN WIPES**

Recommended use : Furniture Polish/Cleaner

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +18005585252
Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	64742-48-9	5.00 - 10.00
Titanium Dioxide	13463-67-7	0.10 - 1.00
Alkyl dimethyl benzyl ammonium	68391-01-5	0.0001 - 0.10

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chloride		
Alkyl ethylbenzalkonium	85409-23-0	0.0001 - 0.10

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

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 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** : Sweep up and shovel into suitable containers for disposal. 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.
KEEP OUT OF REACH OF CHILDREN AND PETS.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	64742-48-9	1,200 mg/m3	171 ppm	-	SUPPLIER
Titanium Dioxide	13463-67-7	15 mg/m3	-	-	OSHA TWA
Titanium Dioxide	13463-67-7	10 mg/m3	-	-	ACGIH 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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form : Liquid absorbed by inert carrier material

Color : white

Odor : pleasant

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapour pressure : No data available

Vapour density : No data available

Relative density : No data available

Solubility(ies) : negligible

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Partition coefficient: n-octanol/water	:	No data available	
Auto-ignition temperature	:	Not applicable	
Decomposition temperature	:	No data available	
Viscosity, dynamic	:	No data available	
Viscosity, kinematic	:	No data available	
Oxidizing properties	:	No data available	
Volatile Organic Compounds Total VOC (wt. %)*	:	6.8 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

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.

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11. TOXICOLOGICAL INFORMATION

- Emergency Overview** : This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.
- Acute oral toxicity** : LD50 estimated > 5,000 mg/kg
- Acute inhalation toxicity** : No data available
- Acute dermal toxicity** : LD50 estimated > 5,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
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	-

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Aspiration hazard	No classification proposed	-
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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
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available			
Titanium Dioxide	No data available			
Alkyl dimethyl benzyl ammonium chloride	No data available			
Alkyl ethylbenzalkonium	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available			
Titanium Dioxide	No data available			
Alkyl dimethyl benzyl	EC50	Daphnia (water flea)	0.016 mg/l	

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ammonium chloride	No data available			
Alkyl ethylbenzalkonium	EC50 No data available	Daphnia (water flea)	0.016 mg/l	

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available			
Titanium Dioxide	static test EC50	Pseudokirchneriella subcapitata	61 mg/l	72 h
Alkyl dimethyl benzyl ammonium chloride	No data available			
Alkyl ethylbenzalkonium	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available		
Titanium Dioxide	No data available		
Alkyl dimethyl benzyl ammonium chloride	60 %	13 d	Readily biodegradable
Alkyl ethylbenzalkonium	60 %	13 d	Readily biodegradable

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available	No data available
Titanium Dioxide	No data available	No data available

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Alkyl dimethyl benzyl ammonium chloride	182.8	3.91
Alkyl ethylbenzalkonium	No data available	No data available

Mobility

Component	End point	Value
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available	
Titanium Dioxide	No data available	
Alkyl dimethyl benzyl ammonium chloride	No data available	
Alkyl ethylbenzalkonium	No data available	

PBT and vPvB assessment

Component	Results
Alkyl dimethyl benzyl ammonium chloride	Not fulfilling PBT and vPvB criteria
Alkyl ethylbenzalkonium	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

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Air transport

Not classified as dangerous in the meaning of transport regulations.

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	1
Flammability	0
Reactivity	0

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NFPA Ratings

Health	1
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.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

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