

## Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



# PLEDGE® FURNITURE CLEANER & POLISH WITH NATURAL ORANGE OIL

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000017409

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : PLEDGE® FURNITURE CLEANER & POLISH WITH NATURAL ORANGE OIL

**Recommended use** : Furniture Polish/Cleaner

**Restrictions on use** : Use only as directed on label

**Manufacturer, importer, supplier** : S.C. Johnson and Son, Limited  
1 Webster Street  
Brantford ON N3T 5R1

**Telephone** : +1-800-558-5566

**Emergency telephone number** : 24 Hour Transport & Medical Emergency Phone (866) 231-5406  
24 Hour International Emergency Phone (952) 852-4647  
24 Hour Canadian Transport Emergency Phone (CANUTEC) (613) 996-6666

## 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 the Canadian Hazardous Products Regulation

#### Labelling

#### Precautionary statements

**Other hazards** : None identified

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by Canadian Hazardous Products Regulation are listed in this table.

Chemical name	CAS-No.	Weight percent
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-46-7	40.00 - 60.00
White Mineral Oil, (Petroleum)	8042-47-5	40.00 - 60.00
Citrus, Extract	94266-47-4	1.00 - 1.50

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](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

#### Description of first aid measures

**Eye contact** : No special requirements

**Skin contact** : No special requirements

**Inhalation** : No special requirements.

**Ingestion** : No special requirements

#### Most important symptoms and effects, both acute and delayed

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.

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Ingestion : 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.

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

### Storage

**Requirements for storage areas and containers** : Keep container closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Components	CAS-No.	mg/m <sup>3</sup>	ppm	Non-standard units	Basis
White Mineral Oil, (Petroleum)	8042-47-5	5 mg/m <sup>3</sup>	-	-	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.

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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** : liquid

**Color** : yellow

**Odour** : Citrus

**Odour Threshold** : Test not applicable for this product type

**pH** : Test not applicable for this product type

**Melting point/freezing point** : Test not applicable for this product type

**Initial boiling point and boiling range** : Test not applicable for this product type

**Flash point** : 102 °C  
215.6 °F  
Method: Tag Closed Cup (TCC)

**Evaporation rate** : Test not applicable for this product type

**Flammability (solid, gas)** : Does not sustain combustion.

**Upper/lower flammability or explosive limits** : Test not applicable for this product type

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<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: Test not applicable for this product type
<b>Relative density</b>	: 0.8424 g/cm <sup>3</sup> at 40 °C
<b>Solubility(ies)</b>	: immiscible
<b>Partition coefficient: n-octanol/water</b>	: Test not applicable for this product type
<b>Auto-ignition temperature</b>	: Test not applicable for this product type
<b>Decomposition temperature</b>	: Test not applicable for this product type
<b>Viscosity, dynamic</b>	: 24 mPa.s
<b>Viscosity, kinematic</b>	: 28.5 mm <sup>2</sup> /s
<b>Oxidizing properties</b>	: Test not applicable for this product type
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	: 1.1 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
<b>Other information</b>	: None identified :

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## 10. STABILITY AND REACTIVITY

- Reactivity** : No dangerous reaction known under conditions of normal use.
- 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 9.5 mg/L
- Acute dermal toxicity** : LD50 2145 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

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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	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	-
Aspiration hazard	No classification proposed	-
Aspiration hazard	No classification proposed	-

**Aggravated Medical Condition** : None known.

## 12. ECOLOGICAL INFORMATION

**Product** : The product itself has not been tested.



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### 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, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	LC50	Scophthalmus maximus	> 1,028 mg/l	96 h
	QSAR NOEC	Fish	> 1,000 mg/l	28 d
White Mineral Oil, (Petroleum)	LC50	Oncorhynchus mykiss (rainbow trout)	> 100 mg/l	96 h
Citrus, Extract	flow-through test LC50	Pimephales promelas (fathead minnow)	0.72 mg/l	96 h
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	LC50	Scophthalmus maximus	> 1,028 mg/l	96 h
	QSAR NOEC	Fish	> 1,000 mg/l	28 d
White Mineral Oil, (Petroleum)	LC50	Oncorhynchus mykiss (rainbow trout)	> 100 mg/l	96 h
Citrus, Extract	flow-through test LC50	Pimephales promelas (fathead minnow)	0.72 mg/l	96 h

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### Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	static test LC50 Measured	other aquatic crustacea: DM	> 3,193 mg/l	48 h
	QSAR NOELR QSAR	Daphnia magna	> 1,000 mg/l	21 d
White Mineral Oil, (Petroleum)	LC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Citrus, Extract	static test EC50	Daphnia magna (Water flea)	0.36 mg/l	48 h
	NOEC QSAR	Daphnia magna	0.115 mg/l	16 d
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	static test LC50 Measured	other aquatic crustacea: DM	> 3,193 mg/l	48 h
	QSAR NOELR QSAR	Daphnia magna	> 1,000 mg/l	21 d
White Mineral Oil, (Petroleum)	LC50	Daphnia magna (Water flea)	> 100 mg/l	48 h

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Citrus, Extract	static test EC50	Daphnia magna (Water flea)	0.36 mg/l	48 h
	NOEC QSAR	Daphnia magna	0.115 mg/l	16 d

### Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	static test ErC50 Measured	Skeletonema costatum	> 3,200 mg/l	72 h
White Mineral Oil, (Petroleum)	NOEC	Green algae	>= 100 mg/l	72 h
Citrus, Extract	EC50 Read-across (Analogy)	Desmodesmus subspicatus (green algae)	8 mg/l	72 h
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	static test ErC50 Measured	Skeletonema costatum	> 3,200 mg/l	72 h
White Mineral Oil, (Petroleum)	NOEC	Green algae	>= 100 mg/l	72 h
Citrus, Extract	EC50 Read-across (Analogy)	Desmodesmus subspicatus (green algae)	8 mg/l	72 h

### Persistence and degradability

Component	Biodegradation	Exposure time	Summary
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Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	74 %	28 d	Readily biodegradable.
White Mineral Oil, (Petroleum)	50 %	28 d	Not readily biodegradable.
Citrus, Extract	80 %	28 d	Readily biodegradable.
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	74 %	28 d	Readily biodegradable.
White Mineral Oil, (Petroleum)	50 %	28 d	Not readily biodegradable.
Citrus, Extract	80 %	28 d	Readily biodegradable.

### Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	No data available
White Mineral Oil, (Petroleum)	No data available	> 6
Citrus, Extract	No data available	5.3 Measured
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	No data available
White Mineral Oil, (Petroleum)	No data available	> 6
Citrus, Extract	No data available	5.3 Measured

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### Mobility

Component	End point	Value
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	-
White Mineral Oil, (Petroleum)	No data available	
Citrus, Extract	No data available	
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	-
White Mineral Oil, (Petroleum)	No data available	
Citrus, Extract	No data available	

### PBT and vPvB assessment

Component	Results
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not fulfilling PBT and vPvB criteria
White Mineral Oil, (Petroleum)	Not fulfilling PBT and vPvB criteria
Citrus, Extract	Not fulfilling PBT and vPvB criteria
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not fulfilling PBT and vPvB criteria
White Mineral Oil, (Petroleum)	Not fulfilling PBT and vPvB criteria
Citrus, Extract	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.

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## 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

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.

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**Canada Regulations** : This product has been classified in accordance with the hazard criteria of the Hazardous Products Act and Regulations.

## 16. OTHER INFORMATION

### HMIS Ratings

Health	1
Flammability	1
Reactivity	0

### NFPA Ratings

Health	1
Fire	1
Reactivity	0
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. 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 &
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	Regulatory Affairs (GSARA)
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