PLEDGE® Aerosol – Multi-surface Classic (Professional)

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier : PLEDGE® Aerosol – Multi-surface Classic (Professional)

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

Use of the Substance/Mixture : Polishes and wax blends

Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet :
SC Johnson Ltd.
Frimley Green
Camberley

GU16 7AJ

Telephone : +441276852000

E-mail address : ask.uk@scj.com

1.4 Emergency telephone number :
Consumer Care Center:
UK - 0800 353 353
Ireland - 1800 409 176

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 3	Pressurised container: May burst if heated.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Signal word
Warning

Hazard statements
(H229) Pressurised container: May burst if heated.

Precautionary statements
(P102) Keep out of reach of children.
(P410 + P412) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
(P210) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
(P251) Do not pierce or burn, even after use.
(P264) Wash hands thoroughly after handling.
(P260) Do not breathe spray.

Additional Labelling
Use only in well-ventilated areas.
Avoid prolonged skin contact with this product.
10% by mass of contents are flammable
For professional users only.

Detergents regulations :
Contains
< 5% non-ionic surfactants, > = 5% and < 15% aliphatic hydrocarbons, perfume , BUTYLPHENYL METHYLPROPIONAL, Hydroxyisohexyl 3-cyclohexene carboxaldehyde, hexyl cinnamal, 2-BROMO-2-NITROPROPANE-1,3-DIOL

2.3 Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
Naphtha (petroleum), hydrotreated heavy	64742-48-9 927-241-2	01-2119471843-32	Aspiration hazard Category 1 H304 Specific target organ toxicity - single exposure Category 3 H336	>= 5.00 - < 10.00

			Flammable liquids Category 3 H226 Chronic aquatic toxicity Category 3 H412	
bronopol	52-51-7 200-143-0	01-2119980938-15	Acute toxicity Category 4 H302 Acute toxicity Category 4 H312 Skin irritation Category 2 H315 Serious eye damage Category 1 H318 Specific target organ toxicity - single exposure Category 3 H335 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity	>= 0.00 - < 0.10

			Category 2 H411 M-Factor Acute - 10	

WEL substance				
methanol	67-56-1 200-659-6	01-2119433307-44	Flammable liquids Category 2 H225 Acute toxicity Category 3 H301 Acute toxicity Category 3 H311 Acute toxicity Category 3 H331 Specific target organ toxicity - single exposure Category 1 H370	>= 0.10 - < 0.50

Additional Information
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Move to fresh air.
If breathing is affected, get medical attention.

Skin contact	:	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Eye contact	:	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Ingestion	:	If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Eyes	:	May irritate eyes. No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. No adverse effects expected when used as directed. Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.
Ingestion	:	No adverse effects expected when used as directed.

4.3 Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable	:	None identified
5.2 Special hazards arising from the substance or mixture	:	Heating may cause an explosion. In case of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.
5.3 Advice for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves.

Refer to current EN or National standard as appropriate.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.

6.2 Environmental precautions : Prevent product from entering drains.
Use appropriate containment to avoid environmental contamination.

6.3 Methods and materials for containment and cleaning up : If damage occurs to aerosol can:
Clean residue from spill site.
Dike large spills.
Use only non-sparking equipment.

6.4 Reference to other sections : For personal protection see section 8.
For disposal considerations see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling : For personal protection see section 8.
Do not breathe vapours or spray mist.
Do not use in areas without adequate ventilation.
Do not puncture.
Do not spray on a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities : Do not freeze.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Keep out of the reach of children.
No decomposition if stored and applied as directed.

7.3 Specific end use(s) : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Polishes and wax blends

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Components	CAS-No.	mg/m3	ppm	Form of exposure	List

methanol	67-56-1	260 mg/m3	200 ppm		EUOEL_TWAS
		333 mg/m3	250 ppm		UK_WELSTEL
		266 mg/m3	200 ppm		UK_WELTWAS

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

Respiratory protection	:	No personal respiratory protective equipment normally required.
Hand protection	:	Wear suitable gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.
Eye/face protection	:	No special requirements.
Skin and body protection	:	Wash contaminated clothing before re-use.
Other information	:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Environmental Exposure Controls	:	Refer to section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	:	aerosol
Colour	:	off-white
Odour	:	floral
Odour Threshold	:	Test not applicable for this product type
pH	:	Test not applicable for this product type
Melting point/freezing point	:	0 °C
Initial boiling point and boiling range	:	Test not applicable for this product type

Flash point	:	< 4 °C 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
Vapour pressure	:	Test not applicable for this product type
Vapour density	:	Test not applicable for this product type
Relative density	:	0.97 g/cm3 at 20 °C
Solubility(ies)	:	negligible
Partition coefficient: n-octanol/water	:	Test not applicable for this product type
Auto-ignition temperature	:	Test not applicable for this product type
Decomposition temperature	:	Test not applicable for this product type
Viscosity, dynamic	:	Test not applicable for this product type
Viscosity, kinematic	:	Test not applicable for this product type
Explosive properties	:	Test not applicable for this product type
Oxidizing properties	:	Test not applicable for this product type
Other information	:	None identified

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	:	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability	:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	:	None known.

10.4 Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials : None known.

10.6 Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (dust and mist) Calculated		> 5 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute oral toxicity

Name	Method	Species	Dose
Naphtha (petroleum), hydrotreated heavy	LD50	Rat	> 5,000 mg/kg
bronopol	LD50 Measured	Rat	5,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Naphtha (petroleum), hydrotreated heavy	LC50 (vapour)	Rat	> 7,630 mg/m3	4 h

bronopol	LC50 (vapour)	Rat	0.038 mg/l	4 h

Acute dermal toxicity

Name	Method	Species	Dose
Naphtha (petroleum), hydrotreated heavy	LD50	Rabbit	> 3,160 mg/kg
bronopol	LD50 Measured	Rat	> 2,000 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.

Skin sensitisation : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxicity for reproduction : Based on available data, the classification criteria are not met.

STOT - single exposure : Based on available data, the classification criteria are not met.

STOT - repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

12.1 Toxicity

Toxicity to fish

Components	End point	Species	Value	Exposure time

Naphtha (petroleum), hydrotreated heavy	LC50	Oncorhynchus mykiss (rainbow trout)	> 10 - < 30 mg/l	96 h
bronopol	LC50 flow-through test	Lepomis macrochirus	35.7 mg/l	96 h
methanol	LC50 flow-through test	Lepomis macrochirus	15,400 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Naphtha (petroleum), hydrotreated heavy	LC50 static test	Daphnia magna (Water flea)	> 22 - < 46 mg/l	48 h
bronopol	EC50 static test NOEC flow-through test	Daphnia magna (Water flea) Daphnia	1.4 mg/l 0.27 mg/l	48 h 21 d
methanol	EC50 semi-static	Daphnia magna (Water flea)	18,260 mg/l	96 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Naphtha (petroleum), hydrotreated heavy	EC50	Pseudokirchneriella subcapitata (green algae)	> 1,000 mg/l	72 h
bronopol	NOEC static test	Pseudokirchneriella subcapitata (green algae)	0.1 mg/l	72 h
methanol	EC50 static test	Pseudokirchneriella subcapitata (green algae)	22,000 mg/l	96 h

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Naphtha (petroleum), hydrotreated heavy	89 %	28 d	Readily biodegradable
bronopol	70 - 80 %	28 d	Readily biodegradable
methanol	95 %	20 d	Readily biodegradable

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Naphtha (petroleum), hydrotreated heavy	No data available	No data available
bronopol	3.19 QSAR	0.22
methanol	< 10	-0.77

12.4 Mobility in soil

Component	End point	Value
Naphtha (petroleum), hydrotreated heavy	log Koc	> 1.783 - < 2.36
bronopol	Koc	36.8 - 1486 Measured
methanol	Koc	1

12.5 Results of PBT and vPvB assessment

Component	Results
Naphtha (petroleum), hydrotreated heavy	Not fulfilling PBT and vPvB criteria
bronopol	Not fulfilling PBT and vPvB criteria
methanol	Not fulfilling PBT and vPvB criteria

12.6 Other adverse effects : None known.

SECTION 13: DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Product	:	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal should be in accordance with local, state or national legislation. Please recycle empty packaging.
Packaging	:	Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

	Land transport	Sea transport	Air transport
14.1 UN number	1950	1950	1950
14.2 UN proper shipping name	UN 1950 AEROSOLS, asphyxiant, 2.2	UN 1950 AEROSOLS, asphyxiant, 2.2	UN 1950 AEROSOLS, asphyxiant, 2.2
14.3 Transport hazard class(es)	2	2	2.2
14.4 Packing group			
14.5 Environmental hazards			
14.6 Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture : This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: OTHER INFORMATION

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

Key abbreviations or acronyms used

EC - European Community
EEC – European Economic Community
CLP – Classification Labelling & Packaging
EN – European Standard or European Norm
PBT – Persistent, Bioaccumulative & Toxic
vPvB – very persistent, very bioaccumulative
UN – United Nations

Evaluation methods

Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

Full text of H-Statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.