

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : KIWI® BOOT CLEANER

Recommended use : Shoe Polish

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

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Gases under pressure	Liquefied gas	Pressurised container: May burst if heated.

Labelling

Hazard symbols

Flame
Gas cylinder

Signal word

Danger

Hazard statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.

Precautionary statements

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Protect from sunlight. Store in a well-ventilated place.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
2-Butoxyethanol	111-76-2	5.00 - 10.00
Isobutane	75-28-5	1.00 - 5.00
Isopropanol	67-63-0	1.00 - 5.00
Alcohols, C10-12, ethoxylated propoxylated	68154-97-2	1.00 - 5.00

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.
Specific hazards during firefighting : Aerosol Product - Containers may rocket or explode in heat of fire.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Further information : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Remove all sources of ignition.
Wash thoroughly after handling.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : If damage occurs to aerosol can:
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

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.
Pressurized container.
Do not pierce or burn, even after use.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Do not spray on an open flame or other ignition source.

Storage

Requirements for storage areas and containers : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
2-Butoxyethanol	111-76-2	-	20 ppm	-	ACGIH TWA
2-Butoxyethanol	111-76-2	240 mg/m3	50 ppm	-	OSHA TWA
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL
Isopropanol	67-63-0	980 mg/m3	400 ppm	-	OSHA TWA
Isopropanol	67-63-0	-	400 ppm	-	ACGIH STEL
Isopropanol	67-63-0	-	200 ppm	-	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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Form	:	aerosol
Color	:	colourless
Odor	:	odourless
Odour Threshold	:	Test not applicable for this product type
pH	:	6 - 9
Melting point/freezing point	:	Test not applicable for this product type
Initial boiling point and boiling range	:	99 °C
Flash point	:	> -80 °C > -112 °F Propellant 62 °C 143.6 °F liquid
Evaporation rate	:	Test not applicable for this product type
Flammability (solid, gas)	:	Sustains 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	:	0.98 - 1.02 g/cm ³ at 25 °C

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

- Solubility(ies)** : soluble

- 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

- Oxidizing properties** : Test not applicable for this product type

- Volatile Organic Compounds Total VOC (wt. %)*** : 13.7 % - 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** : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

- Conditions to avoid** : Heat, flames and sparks.

- Incompatible materials** : Do not mix with bleach or any other household cleaners. Strong bases

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

- Emergency Overview** : Danger
- Acute oral toxicity** : NA GHS LD50
Calculated
> 5,000 mg/kg
- Acute inhalation toxicity** : NA GHS LC50 (dust and mist)
Calculated
> 5 mg/l
- Acute dermal toxicity** : NA GHS LD50
Calculated
> 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	No classification proposed	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

exposure		
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
2-Butoxyethanol	static test LC50	Oncorhynchus mykiss (rainbow trout)	1,474 mg/l	96 h
	NOEC	Danio rerio (zebra fish)	> 100 mg/l	21 d
Isobutane	LC50	Fish	27.98 mg/l	96 h
Isopropanol	LC50	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h
Alcohols, C10-12, ethoxylated propoxylated	No data available			

Toxicity to aquatic invertebrates

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® BOOT CLEANER**

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Components	End point	Species	Value	Exposure time
2-Butoxyethanol	EC50	Daphnia magna (Water flea)	> 1,000 mg/l	48 h
	semi-static test NOEC	Daphnia magna	100 mg/l	21 d
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Isopropanol	EC50	Daphnia magna (Water flea)	13,299 mg/l	48 h
Alcohols, C10-12, ethoxylated propoxylated	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
2-Butoxyethanol	Static No data available	Pseudokirchneriella subcapitata (green algae)	911 mg/l	72 h
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Isopropanol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h
Alcohols, C10-12, ethoxylated propoxylated	No data available			

Persistence and degradability

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® BOOT CLEANER**

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

Component	Biodegradation	Exposure time	Summary
2-Butoxyethanol	31 %		
Isobutane	70 %	< 10 d	Readily biodegradable
Isopropanol	53 %	5 d	Readily biodegradable
Alcohols, C10-12, ethoxylated propoxylated			

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
2-Butoxyethanol	1.38 estimated	0.81
Isobutane	1.57 - 1.97	2.8
Isopropanol	0.96 estimated	0.05
Alcohols, C10-12, ethoxylated propoxylated	No data available	No data available

Mobility

Component	End point	Value
2-Butoxyethanol	No data available	
Isobutane	No data available	
Isopropanol	No data available	
Alcohols, C10-12, ethoxylated propoxylated	No data available	

PBT and vPvB assessment

Component	Results
Isobutane	Not fulfilling PBT and vPvB criteria
Isopropanol	Not fulfilling PBT and vPvB criteria
Alcohols, C10-12, ethoxylated propoxylated	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

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	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
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.

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.

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT CLEANER

Version 1.0

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017910

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	4
Reactivity	0

NFPA Ratings

Health	1
Fire	4
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)
-------------	--