

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



## KIWI® BOOT WATERPROOFER (PROTECTOR)

Version 1.0

Print Date 05/23/2018

Revision Date 08/25/2015

SDS Number 350000029048

GEN\_SOF Number 55000

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

**Product name** : KIWI® BOOT WATERPROOFER (PROTECTOR)

**Recommended use** : Shoe Care

**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	Contains gas under pressure; may explode 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.

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Protect from sunlight. Store in a well-ventilated place.  
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
Naphtha, petroleum, heavy alkylate	64741-65-7	60.00 - 100.00
Isobutane	75-28-5	10.00 - 30.00
Propane	74-98-6	10.00 - 30.00
N-Butyl acetate	123-86-4	1.00 - 5.00
1-Hexanol, 2-ethyl-, titanium(4+) salt	1070-10-6	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](http://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** : Do not use a solid water stream as it may scatter and spread

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- firefighting** fire. Aerosol Product - Containers may rocket or explode in heat of fire.
- 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.

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#### Storage

**Requirements for storage areas and containers** : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Keep in a dry, cool and well-ventilated place.  
Protect from sunlight.  
Store in a well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL
Propane	74-98-6	-	1,000 ppm	-	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	-	OSHA TWA
N-Butyl acetate	123-86-4	710 mg/m3	150 ppm	-	OSHA TWA
N-Butyl acetate	123-86-4	-	200 ppm	-	ACGIH STEL
N-Butyl acetate	123-86-4	-	150 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.

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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** : aerosol

**Color** : colourless

**Odor** : solvent-like

**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** : -15.4 °C  
4.28 °F  
Method: Tag Closed Cup (TCC)  
liquid  
-80 °C  
-112 °F  
Method: Tag Closed Cup (TCC)  
Propellant

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

**Flammability (solid, gas)** : Sustains combustion

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

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#### explosive limits

**Vapour pressure** : Test not applicable for this product type

**Vapour density** : Test not applicable for this product type

**Relative density** : 0.69 - 0.71 g/cm<sup>3</sup> at 20 °C

**Solubility(ies)** : insoluble

**Partition coefficient: n-octanol/water** : Test not applicable for this product type

**Auto-ignition temperature** : not auto-flammable

**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** : 96.3 % - additional exemptions may apply  
**Total VOC (wt. %)\*** \*as defined by US Federal and State Consumer Product Regulations

**Other information** : None identified :

### 10. STABILITY AND REACTIVITY

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- Possibility of hazardous reactions** : No decomposition if stored and applied as directed.
- Possibility of hazardous reactions** : Stable under recommended storage conditions.
- Conditions to avoid** : Heat, flames and sparks.
- Incompatible materials** : Strong oxidizing agents
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

### 11. TOXICOLOGICAL INFORMATION

- Emergency Overview** : Danger
- Acute oral toxicity** : GHS LD50  
Calculated  
> 5,000 mg/kg
- Acute inhalation toxicity** : GHS LC50 (dust and mist)  
Calculated  
> 5.0 mg/l
- Acute dermal toxicity** : GHS LD50  
Calculated  
> 5,000 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
Acute toxicity	No classification proposed	Inhalation - Vapour

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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	-

**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
Naphtha, petroleum, heavy alkylate	No data available			

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Isobutane	LC50	Fish	27.98 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h
N-Butyl acetate	flow-through test LC50	Pimephales promelas (fathead minnow)	18 mg/l	96 h
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available			

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Naphtha, petroleum, heavy alkylate	LC50	Mysidopsis bahia	2 mg/l	48 h
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Propane	LC50	Daphnid	14.22 mg/l	48 h
N-Butyl acetate	static test EC50	Daphnia (water flea)	44 mg/l	48 h
	NOEC	Daphnia magna	23 mg/l	21 d

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1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available			
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**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Naphtha, petroleum, heavy alkylate	EC50	Pseudokirchneriella subcapitata	30,000 mg/l	72 h
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Propane	No data available			
N-Butyl acetate	static test EC50	Desmodesmus subspicatus (green algae)	674.7 mg/l	72 h
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available			

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Naphtha, petroleum, heavy alkylate	No data available		
Isobutane	70 %	< 10 d	Readily biodegradable
Propane	70 %	< 10 d	Readily biodegradable
N-Butyl acetate	83 %	28 d	Readily biodegradable
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available		

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Naphtha, petroleum, heavy alkylate	No data available	No data available

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Isobutane	1.57 - 1.97	2.8
Propane	No data available	2.36
N-Butyl acetate	No data available	2.3
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available	No data available

### Mobility

Component	End point	Value
Naphtha, petroleum, heavy alkylate	No data available	
Isobutane	No data available	
Propane	No data available	
N-Butyl acetate	No data available	
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available	

### PBT and vPvB assessment

Component	Results
Naphtha, petroleum, heavy alkylate	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
N-Butyl acetate	Not fulfilling PBT and vPvB criteria
1-Hexanol, 2-ethyl-, titanium(4+) salt	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.

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#### 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	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1
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.
- 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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### 16. OTHER INFORMATION

#### HMIS Ratings

Health	0
Flammability	4
Reactivity	0

#### NFPA Ratings

Health	0
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)
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