

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : **KIWI® BOOT PROTECTOR**

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.
Carcinogenicity	Category 2	Suspected of causing cancer.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame
Gas cylinder
Health hazard

Signal word

Danger

Hazard statements

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

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

IF exposed or concerned: Get medical advice/ attention.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Protect from sunlight. Store in a well-ventilated place.

Dispose of contents/ container to an approved incineration plant.

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.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

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
Polytrimethylhydrosilylsiloxane	68988-56-7	5.00 - 10.00
1-Hexanol, 2-ethyl-, titanium(4+) salt	1070-10-6	5.00 - 10.00
Xylene	1330-20-7	1.00 - 5.00
Ethyl Benzene	100-41-4	0.10 - 1.00

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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

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SDS Number 350000017902

- 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** : Do not use a solid water stream as it may scatter and spread 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.
Obtain special instructions before use.
Wear personal protective equipment.
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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

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.
Do not handle until all safety precautions have been read and understood.

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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

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
Xylene	1330-20-7	435 mg/m3	100 ppm	-	OSHA TWA
Xylene	1330-20-7	-	150 ppm	-	ACGIH STEL
Xylene	1330-20-7	-	100 ppm	-	ACGIH TWA
Ethyl Benzene	100-41-4	-	20 ppm	-	ACGIH TWA
Ethyl Benzene	100-41-4	435 mg/m3	100 ppm	-	OSHA 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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

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** : > -42 °C
- Flash point** : > -80 °C
> -112 °F
Approximate

- 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** : 0.78 - 0.79 g/cm³ at 25 °C

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

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	:
Oxidizing properties	:	Test not applicable for this product type	:
Volatile Organic Compounds Total VOC (wt. %)*	:	89.7 % - 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	:	Stable under recommended storage conditions.	:
Conditions to avoid	:	Heat, flames and sparks.	:
Incompatible materials	:	None known.	:
Hazardous decomposition	:	Thermal decomposition can lead to release of irritating gases	:

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

products 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
> 5.0 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	Category 2	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ	No classification proposed	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

toxicity - repeated exposure		
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			
Isobutane	LC50	Fish	27.98 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h
Polytrimethylhydrosilylsiloxane	No data available			
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available			
Xylene	LC50 Read-across (Analogy)	Oncorhynchus mykiss (rainbow trout)	2.6 mg/l	96 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® BOOT PROTECTOR**

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

Ethyl Benzene	semi-static test LC50	Oncorhynchus mykiss (rainbow trout)	4.2 mg/l	96 h
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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
Polytrimethylhydrosilylsiloxane	No data available			
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available			
Xylene	EC50 Read-across (Analogy)	Daphnia magna (Water flea)	1 mg/l	24 h
Ethyl Benzene	EC50	Daphnia magna (Water flea)	1.8 mg/l	48 h
	NOEC	Ceriodaphnia dubia	1 mg/l	7 d

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® BOOT PROTECTOR**

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

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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			
Polytrimethylhydrosilylsiloxane	No data available			
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available			
Xylene	No data available			
Ethyl Benzene	Static EC50	Pseudokirchneriella subcapitata	2.6 - 11.3 mg/l	72 h

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
Polytrimethylhydrosilylsiloxane	No data available		
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available		
Xylene	87.8 %	28 d	
Ethyl Benzene	70 - 80 %	28 d	Readily biodegradable

Bioaccumulative potential

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Naphtha, petroleum, heavy alkylate	No data available	No data available
Isobutane	1.57 - 1.97	2.8
Propane	No data available	2.36
Polytrimethylhydrosilylsiloxane	No data available	No data available
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available	No data available
Xylene	25.9 Measured	3.12
Ethyl Benzene	1 Measured	3.6

Mobility

Component	End point	Value
Naphtha, petroleum, heavy alkylate	No data available	
Isobutane	No data available	
Propane	No data available	
Polytrimethylhydrosilylsiloxane	No data available	
1-Hexanol, 2-ethyl-, titanium(4+) salt	No data available	
Xylene	log Koc	2.73
Ethyl Benzene	Koc	1331 estimated

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
Polytrimethylhydrosilylsiloxane	Not fulfilling PBT and vPvB criteria
1-Hexanol, 2-ethyl-, titanium(4+) salt	Not fulfilling PBT and vPvB criteria

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

Xylene	Not fulfilling PBT and vPvB criteria
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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	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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® BOOT PROTECTOR

Version 1.1

Print Date 02/22/2016

Revision Date 03/25/2015

SDS Number 350000017902

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

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

Safety Data Sheet

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KIWI® BOOT PROTECTOR

Version 1.1

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