

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : KIWI® SUEDE RENEW BROWN

Recommended use : Shoe Polish

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +1-800-558-5252

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.
Skin irritation	Category 2	Causes skin irritation.
Eye irritation	Category 2A	Causes serious eye irritation.
Specific target organ toxicity - single exposure	Category 3	May cause drowsiness or dizziness.
Gases under pressure	Compressed gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame
Gas cylinder
Exclamation mark

Signal word

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

Danger

Hazard statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Take off contaminated clothing and wash before reuse.
Store in a well-ventilated place. Keep container tightly closed.
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.
Pressurized container: Do not pierce or burn, even after use.
Wear protective gloves/ eye protection/ face protection.
Avoid breathing spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.

Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

Chemical name	CAS-No.	Weight percent
Isopropanol	67-63-0	30.00 - 60.00
Butane	106-97-8	10.00 - 30.00
Naphtha (petroleum), hydrotreated light	64742-49-0	10.00 - 30.00
Ethyl acetate	141-78-6	10.00 - 30.00
Propylene Glycol Monomethyl Ether	107-98-2	5.00 - 10.00
Isobutane	75-28-5	5.00 - 10.00
Propane	74-98-6	5.00 - 10.00

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

Description of first aid measures

- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
- Skin contact** : Wash off with plenty of water. Take off contaminated clothing and wash before reuse.
- Inhalation** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : Causes serious eye irritation.
- Skin effect** : Causes skin irritation.
No adverse effects expected when used as directed.
- Inhalation** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
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 : 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.
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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

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.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.

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.
Store locked up.
Protect from sunlight.
Store in a well-ventilated place.
Keep container tightly closed.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® SUEDE RENEW BROWN**

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m ³	ppm	Non-standard units	Basis
Isopropanol	67-63-0	980 mg/m ³	400 ppm	-	OSHA TWA
Isopropanol	67-63-0	-	400 ppm	-	ACGIH STEL
Isopropanol	67-63-0	-	200 ppm	-	ACGIH TWA
Butane	106-97-8	-	1,000 ppm	-	ACGIH STEL
Ethyl acetate	141-78-6	1,400 mg/m ³	400 ppm	-	OSHA TWA
Ethyl acetate	141-78-6	-	400 ppm	-	ACGIH TWA
Propylene Glycol Monomethyl Ether	107-98-2	-	100 ppm	-	ACGIH STEL
Propylene Glycol Monomethyl Ether	107-98-2	-	50 ppm	-	ACGIH TWA
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL
Propane	74-98-6	1,800 mg/m ³	1,000 ppm	-	OSHA TWA
Propane	74-98-6	-	-	-	ACGIH TWA

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

- Hand protection** : Wear suitable gloves.
- Eye protection** : Safety glasses with side-shields
- 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

- Form** : aerosol
- Color** : brown
- Odour** : 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** : < -74 °C
< -101.2 °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 explosive limits** : Test not applicable for this product type

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

Vapour pressure	: 2,800 hPa at 21 °C	
Vapour density	: Test not applicable for this product type	
Relative density	: 0.713 g/cm ³ 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 Total VOC (wt. %)*	: 98.9 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	: None identified	:

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

- Chemical stability** : Stable under recommended storage conditions.
- 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

- Acute oral toxicity** : LD50 > 5000 mg/kg
- Acute inhalation toxicity** : LC50 > 10 mg/L
- Acute dermal toxicity** : LD50 > 5000 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
Acute toxicity	No classification proposed	Inhalation - Gas
Skin irritation	Category 2	-
Eye irritation	Category 2A	-
Skin sensitisation	No classification proposed	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® SUEDE RENEW BROWN**

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

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	Category 3	-
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
Isopropanol	flow-through test LC50	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h
Butane	LC50 QSAR	Fish	27.98 mg/l	96 h
Naphtha (petroleum), hydrotreated light	LC50	Oncorhynchus mykiss (rainbow trout)	> 13.4 mg/l	96 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® SUEDE RENEW BROWN**

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

	NOELR	Pimephales promelas (fathead minnow)	2.6 mg/l	14 d
Ethyl acetate	flow-through test LC50	Pimephales promelas (fathead minnow)	230 mg/l	96 h
Propylene Glycol Monomethyl Ether	static test LC50	Leuciscus idus (Golden orfe)	6,812 mg/l	96 h
Isobutane	LC50 QSAR	Fish	27.98 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Isopropanol	semi-static test NOEC	Daphnia magna	30 mg/l	21 d
Butane	No data available			
Naphtha (petroleum), hydrotreated light	EC50	Daphnia magna (Water flea)	3 mg/l	48 h
	NOELR	Daphnia magna	2.6 mg/l	21 d
Ethyl acetate	static test	Daphnia magna (Water		48 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® SUEDE RENEW BROWN**

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

	EC50	flea)	560 mg/l	
	NOEC	Daphnia magna	2.4 mg/l	21 d
Propylene Glycol Monomethyl Ether	EC50	Daphnia magna (Water flea)	23,300 mg/l	48 h
Isobutane	LC50 QSAR	Daphnid	16.33 mg/l	48 h
Propane	LC50	Daphnid	14.22 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Isopropanol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h
Butane	EC50 QSAR	Green algae	7.71 mg/l	96 h
Naphtha (petroleum), hydrotreated light	EC50	Pseudokirchneriella subcapitata (green algae)	10 - 30 mg/l	72 h
Ethyl acetate	EC50	Desmodesmus subspicatus	3,300 mg/l	72 h
Propylene Glycol Monomethyl Ether	static test EC50	Desmodesmus subspicatus (green algae)	> 500 mg/l	72 h
Isobutane	EC50 QSAR	Green algae	8.57 mg/l	96 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® SUEDE RENEW BROWN**

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

Propane	No data available			
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Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isopropanol	78 %	20 d	Readily biodegradable.
Butane	100 %	385.5 h	Readily biodegradable.
Naphtha (petroleum), hydrotreated light	No data available		Not readily biodegradable.
Ethyl acetate	69 %	20 d	Readily biodegradable.
Propylene Glycol Monomethyl Ether	58 %	20 d	
Isobutane	70 %	< 10 d	Readily biodegradable.
Propane	70 %	< 10 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isopropanol	< 100	0.05
Butane	No data available	2.89
Naphtha (petroleum), hydrotreated light	No data available	No data available
Ethyl acetate	30	0.68
Propylene Glycol Monomethyl Ether	< 2	0.37 Measured
Isobutane	1.57 - 1.97	2.8
Propane	No data available	2.36

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

Mobility

Component	End point	Value
Isopropanol	Koc	1.1 estimated
Butane	No data available	
Naphtha (petroleum), hydrotreated light	log Koc	> 1.783 - < 2.36
Ethyl acetate	No data available	
Propylene Glycol Monomethyl Ether	Koc	0.2 - 1
Isobutane	No data available	
Propane	No data available	

PBT and vPvB assessment

Component	Results
Isopropanol	Not fulfilling PBT and vPvB criteria
Butane	Not fulfilling PBT and vPvB criteria
Ethyl acetate	Not fulfilling PBT and vPvB criteria
Propylene Glycol Monomethyl Ether	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria
Propane	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.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**KIWI® SUEDE RENEW BROWN**

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

	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.
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.

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).

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® SUEDE RENEW BROWN

Version 2.0

Print Date 11/09/2018

Revision Date 10/31/2018

SDS Number 350000027065

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	4
Reactivity	0

NFPA Ratings

Health	2
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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