

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® PROTECT-ALL® LEATHER & FABRIC FOOTWEAR

Version 1.0

Print Date 05/25/2015

Revision Date 04/30/2015

SDS Number 350000021237

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : **KIWI® PROTECT-ALL® LEATHER & FABRIC FOOTWEAR**

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.
Skin irritation	Category 2	Causes skin irritation.
Specific target organ toxicity - single exposure	Category 3	May cause drowsiness or dizziness.
Gases under pressure	Liquefied gas	Pressurised container: May burst if heated.

Labelling

Hazard symbols

Flame
Gas cylinder
Exclamation mark

Signal word

Danger

Hazard statements

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

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Causes skin 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 or doctor/ physician 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.
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.
Do not pierce or burn, even after use.
Wear protective gloves.
Avoid breathing spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	64742-49-0	60.00 - 100.00
Butane	106-97-8	10.00 - 30.00
Propane	74-98-6	5.00 - 10.00
N-Butyl acetate	123-86-4	1.00 - 5.00
Isobutane	75-28-5	1.00 - 5.00
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	64742-48-9	1.00 - 5.00

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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** : 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

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

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precautions

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.
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.
Store in a well-ventilated place.
Keep container tightly closed.

Other data : Protect from frost, heat and sunlight.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Butane	106-97-8	-	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
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL

Personal protective equipment

- Respiratory protection** : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
- Hand protection** : Wear suitable gloves.
- 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : aerosol
- Color** : colourless transparent
- Odor** : Chemical

- Odour Threshold** : Not applicable

- pH** : No data available

- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash point** : -15 °C
5 °F
Method: Tag Closed Cup (TCC)

- Evaporation rate** : No data available

- Flammability (solid, gas)** : No data available

- Upper/lower flammability or explosive limits** : No data available

- Vapour pressure** : No data available

- Vapour density** : No data available

- Relative density** : 0.656 g/cm³ at 21 °C

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Solubility(ies)	: insoluble	
Partition coefficient: n-octanol/water	: Not applicable	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity, dynamic	: < 10 mPa.s at 25 °C	
Viscosity, kinematic	: No data available	
Oxidizing properties	: Not applicable	
Volatile Organic Compounds Total VOC (wt. %)*	: 99.6 % - 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	: Strong oxidizing agents

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

11. TOXICOLOGICAL INFORMATION

Emergency Overview : Danger

Acute oral toxicity : LD50
Calculated
2,000 mg/kg

Acute inhalation toxicity : LC50
Calculated
5.0 mg/l

Acute dermal toxicity : LD50
Calculated
2,000 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
Acute toxicity	No classification proposed	Inhalation - Gas
Skin irritation	Category 2	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-

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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
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	LC50	Oncorhynchus mykiss (rainbow trout)	> 13.4 mg/l	96 h
Butane	No data available			
Propane	LC50	Fish	27.98 mg/l	96 h
N-Butyl acetate	flow-	Pimephales promelas	18 mg/l	96 h

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	through test LC50	(fathead minnow)		
Isobutane	LC50	Fish	27.98 mg/l	96 h
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	LC50	Pimephales promelas (fathead minnow)	2,200 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	EC50	Daphnia magna (Water flea)	3 mg/l	48 h
Butane	No data available			
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
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	EC50	Daphnia magna (Water flea)	< 100 mg/l	48 h

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	NOEC	Daphnia magna (Water flea)	1 mg/l	21 d
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Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	EC50	Pseudokirchneriella subcapitata (green algae)	10 - 30 mg/l	72 h
Butane	No data available			
Propane	No data available			
N-Butyl acetate	static test EC50	Desmodesmus subspicatus (green algae)	674.7 mg/l	72 h
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	No data available		Not readily biodegradable.
Butane	100 %	385.5 h	Readily biodegradable
Propane	70 %	< 10 d	Readily biodegradable
N-Butyl acetate	83 %	28 d	Readily biodegradable
Isobutane	70 %	< 10 d	Readily biodegradable
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	31.3 %	28 d	Not readily biodegradable.

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Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	No data available	No data available
Butane	No data available	2.89
Propane	No data available	2.36
N-Butyl acetate	No data available	No data available
Isobutane	1.57 - 1.97	2.8
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	No data available	5.8 - 7.6

Mobility

Component	End point	Value
Hydrocarbons C7, n-alkanes, isoalkanes, cyclics	log Koc	> 1.783 - < 2.36
Butane	No data available	-
Propane	No data available	
N-Butyl acetate	No data available	
Isobutane	No data available	
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	log Koc	> 1.783 - < 2.36

PBT and vPvB assessment

Component	Results
Butane	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
N-Butyl acetate	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	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	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).

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California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

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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