

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



KIWI® CAMP DRY® HEAVY DUTY WATER REPELLENT

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® CAMP DRY® HEAVY DUTY WATER REPELLENT

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.

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/cm³ 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 | | | |
|--|-------------------|--|--|--|

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) |
|-------------|--|