

Safety Data Sheet



Advantus Corporation
12276 San Jose Blvd., Suite 618
Jacksonville, FL, USA, 32223

1. Identification

Name of the product: **ReadRight KeyKleen**

Product Identification Number(s): RR1243

Recommended use: Surface wipe

Use not recommended: Body wipe

Company: **Advantus Corporation**
12276 San Jose Blvd., Ste. 618
Jacksonville, FL 32223

Telephone: 904-482-0091

Fax number: 904-482-0099

Emergency: 1-800-327-1237

CHEMTREC (Transportation): 1-800-424-9300

CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA). It is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

2. Hazard(s) identification

Classification of the chemical
Pre-moistened towellete (clear liquid saturated on wipe). Alcohol odor.

GHS Classification

Flammable solid (Cat. 2)

Skin irritation (Cat. 3)

Eye irritation (Cat. 2A)

Specific target organ toxicity - single exposure (Cat. 3)

GHS Label elements, including precautionary statements

Pictogram:



Signal word: **Warning**

Hazard statements:

Flammable solid

Causes mild skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statements:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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3. Composition / Information on ingredients

Chemical identity: 2-Propanol (solution) 40.0-60.0
Common name: Isopropyl alcohol, Rubbing alcohol
Numbers of identity: CAS. 67-63-0 EINECS. 200-661-7
Chemical identity: Water 40.0-60.0
Common name: Water
Numbers of identity: CAS 7732-18-5 EINECS 231-791-2
Impurities: None of toxicological significance.

4. First-aid measures

P304+313 +341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a physician.
P302+352 IF ON SKIN: Wash with soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. Continue rinsing.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed: Severe eye irritation. Skin irritation.

5. Firefighting measures

Suitable extinguishing equipment:

Water spray, alcohol-resistant foam, dry chemical. or carbon dioxide.

Emergency procedures:

Eliminate ignition source. Evacuate unnecessary personnel. Call appropriate firefighting crew.
Special protective equipment for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous decomposition products formed under fire conditions. - Carbon oxides, product vapors.
Use water spray to cool unopened containers.

6. Accidental release measures

Use personal protective equipment. Avoid breathing, mist or vapors. Ensure adequate ventilation.
Remove all sources of ignition. Evacuate personnel to safe areas. Be aware of possible accumulating vapors which could form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up
Contain spillage, and then absorb with industrial absorbent, or collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.
See also Sec. 13.

7. Handling and storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapors or mist.
Use explosion-proof equipment. Keep away from sources of ignition - No smoking.
Prevent the buildup of electrostatic charge.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place.
Containers which have been opened must be resealed and kept upright to prevent leakage.

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8. Exposure controls / personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

| | |
|----------------------|---|
| Exposure Limits: | Reference 29CFR 1910.1000 Table Z-1 |
| Component Name, CAS# | OSHA PEL OSHA STEL |
| 2-Propanol 67-63-0 | 400 ppm 980 mg/m ³ 500 ppm 1,225 mg/m ³ |

Personal protective equipment:

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|---------------------------|--|
| Respiratory protection: | Where appropriate use a full-face supplied air respirator. |
| Hand protection: | Rubber gloves. |
| Eye protection: | Safety glasses with side-shields. |
| Skin and body protection: | Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely; flame retardant and antistatic properties are recommended. |

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and immediately after handling the product.

9. Physical and chemical properties

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|---|--|
| Appearance: | Pre-moistened towellete (clear liquid saturated on wipe). |
| Odor: | Alcohol odor |
| Odor threshold: | The highest known value is 22 ppm (Isopropyl alcohol) |
| pH-value: | Approx. 7-9 |
| Melting point: | no data available |
| Freezing Point: | no data available |
| Initial boiling point: | no data available |
| Flash point: | 18 °C (65 °F) - closed cup (approximate) |
| Evaporation rate: | no data available |
| Flammability (solid, gas): | Not applicable |
| Explosion limits: | Lower: 2% Upper: 12.7% (Isopropyl alcohol) |
| Vapor pressure: (highest partial vapor pressure) at 20°C: | Not available |
| Vapor density: | Not available |
| Relative density (water=1.00): | 0.859 g/cm ³ approx. Auto-ignition temperature: Not available |
| Solubility: Totally soluble in water at 20°C | Decomposition temperature: Not available |
| Partition coefficient: Log Kow = | Not applicable to mixture. Viscosity: Like water |

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.

Materials to avoid: Aluminum, Acids, Oxidizing agents, Halogenated compounds, Acid anhydrides

Hazardous decomposition products: Carbon oxides, product vapors.

11. Toxicological information

There is no data available for the product.

Routes of Entry: Absorbed through skin. Eye contact. Inhalation.

| | |
|----------------------------------|--|
| | 2-Propanol |
| Oral Toxicity LD 50: | 5143 mg/kg (Mouse) (Calculated value for 70% in water mixture) |
| Dermal Toxicity LD 50: | 18286 mg/kg (Rabbit) (Calculated value for 70% in water mixture) |
| Inhalation Toxicity, Vapor, LC50 | No data. |
| Eye Irritation (Rabbit) | No data. |
| Dermal Irritation (Rabbit) | No data. |

Chronic Effects on Humans:

No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.

California Prop. 65 chemicals: This product does not contain any chemicals known to State of

California to cause cancer, birth defects, or any other reproductive harm.

Contains material which may cause damage to the following organs: kidneys, liver, CNS,

Signs and Symptoms of Exposure:

Central nervous system depression, prolonged or repeated exposure can cause: nausea, dizziness, narcosis, drowsiness,

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12. Ecological Information

Ecotoxicity: Not available for the product. BOD and COD: Not available.

Products of Biodegradation:

Hazardous short term degradation products are not likely, but long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

PBT and vPvB assessment: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.





Other adverse effects: No data available.

13. Disposal considerations

Burn in a chemical incinerator equipped with an afterburner and scrubber.

Dispose in accordance with local, state, and federal regulations.

14. Transport information

| Regulatory Information | UN Number | UN proper shipping name | Transport hazard class(es) | Packing Group | Label |
|---|---|--|----------------------------|---------------|---|
| 49CFR/DOT | UN3175 | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. | not regulated | II |  |
| 49CFR/DOT Additional information | Special provision 47 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. | | | | |
| TDG | UN3175 | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. | not regulated | II |  |
| TDG Additional information | Special provision 56 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. | | | | |
| ICAO/IATA | UN3175 | Solids containing flammable liquid, n.o.s. | not regulated | II |  |
| ICAO/IATA Additional information | Special provision A46 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. | | | | |
| IMDG | UN3175 | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. | not regulated | II |  |
| IMDG Additional information | Special provision 216 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. | | | | |

Special precautions for user : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
: Not available.

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15. Regulatory information

OSHA Hazards: Hazard Communication Standard (29 CFR 1910.1200).

Flammable solid, Target Organ Effect, Irritant

SARA 302 Components: None

SARA 313 Components: Isopropanol CAS 67-63-0

Inventory Status: All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

Federal and State Regulations:

State Right to Know lists (RTK): 2-Propanol: FL, IL, MA, MN, NJ, PA, RI,
Water: Ma, PA, NJ

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Flammable solid, Target Organ Effect, Irritant

WHMIS (Canada): CLASS B-2: Flammable solid with a flash point lower than 37.8°C (100°F). CLASS D-2B:

Material causing other toxic effects: None

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other information

SDS Preparation date: January 7, 2015 Revised February 2020 to reflect finished product of premoistened towellete. Section 2, 9, and 14 modified to reflect classification accordingly.

| Hazard Categories: | Health | Fire | Pressure | Reactivity | Reference 49 CFR 171.8, |
|--|--------|------|----------|------------|--|
| Immediate | Yes | Yes | No | No | OSHA 29 CFR 1910.1200 and SARA 302/311/312/313. |
| Delayed | Yes | No | XXX | XXX | |
| HMIS Hazard ratings: Health 2 Fire 3 Instability 0 Other B (Goggles, gloves) | | | | | |
| Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4 | | | | | |

HMIS® is a registered trade and service mark of the NPCA.

Note: The information in this SDS was obtained from current reputable and competent sources.

However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

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