

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Product Name: Sani-Hands® Instant Hand Sanitizing Wipes
Date of Preparation: August 9, 2018

SDS 0098-00

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended use: Antiseptic
Restrictions on use: None known

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: Nice-Pak/PDI, Inc.
 Two Nice-Pak Park
 Orangeburg, NY 10962-1376

Phone Number: 1-845-365-1700

Or Distributed by: Professional Disposables International, Ltd.
 140 Woodbridge Ave., Unit CL-1, Market Lane Plaza
 Vaughan, ON L4L 4K9 Canada

Phone Number: 1-800-263-7067

1.4 Emergency Telephone Number:

PERS: 1-800-633-8253 (Domestic/Canada), 1-801-629-0667 (International)

2. HAZARDS IDENTIFICATION

This product is a clear, colorless liquid with an alcohol odor impregnated a wipe in a single packet or on multiple wipes in a pack/canister.

2.1 Classification of the Substance or Mixture:

GHS Classification:

| Physical | Health | Environmental |
|------------------------------------|---------------------------------|----------------|
| Flammable Solids Category 1 (H228) | Eye Irritant Category 2A (H319) | Not Classified |

2.2 Label Elements:

Danger!



Hazard Statements:

H228 Flammable solid.

H319 Causes serious eye irritation.

Precautionary Statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof, electrical, ventilating, or lighting equipment.

P264 Wash thoroughly after handling.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical attention.

P370+P378 In case of fire: Use water fog, alcohol-resistant foam, carbon dioxide and dry chemical to extinguish.

2.3 Other Hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

| Chemical name | CAS No. | EINECS # / REACH Registration # | Classification | Concentration |
|--------------------------|---------|---------------------------------------|--|---------------|
| Ethyl Alcohol (Ethanol) | 64-17-5 | 200-578-6 | Flam. Liq. 2 (H225), Eye Irrit. 2 (H319) | 60-70% |
| Non-Hazardous Components | Mixture | Mixture | Not Classified | 30-40% |
| 1,2-Propanediol | 57-55-6 | 200-338-0 | Not Classified | 1-2.5% |

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

See Section 16 for further information on GHS Classification.

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures:

Eye: Flush eyes with large quantities of water for 15 minutes. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation persists.

Skin: No first aid should be required. Wash skin with water. Get medical attention if irritation develops or persists.

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if irritation or other symptoms persists.

Ingestion: Ingestion is unlikely for solid products. No first aid is required for small amounts transferred from hands to mouth.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: Direct contact with liquid may cause moderate eye irritation. Inhalation of high concentration of vapors may cause upper respiratory tract irritation and central nervous system effects.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed: None required under normal conditions of use.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use alcohol-resistant foam, carbon dioxide and dry chemical.

5.2 Special Hazards arising from the Substance or Mixture: This product is a solid saturated with a flammable liquid and will burn under fire conditions. Combustion may produce carbon oxides.

5.3 Advice for Fire-Fighters: Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Use non-sparking tools and equipment. Avoid contact with eyes. Wear appropriate protective clothing as described in Section 8.

6.2 Environmental Hazards: Report spill as required by local and federal regulations.

6.3 Methods and Material for Containment and Cleaning Up: Do not reuse wipe. Pick up wipe and place in an appropriate container for flammable waste disposal. Do not flush in toilet.

6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Avoid contact with eyes. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Keep containers closed when not in use.

7.2 Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry location away from incompatible materials. Do not store near heat or open flame. Keep away from incompatible materials. Protect container from physical damage. Keep containers closed when not in use.

7.3 Specific end use(s): Professional use only

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:

| | |
|--------------------------|---|
| Ethyl Alcohol (Ethanol) | 1000 ppm STEL ACGIH TLV 1000 ppm TWA OSHA PEL 1000 ppm TWA UK WEL 1000 ppm TWA Belgium OEL 500 ppm TWA, 1000 ppm STEL DFG MAK |
| Non-Hazardous Components | None Established |
| 1,2-Propanediol | 10 mg/m ³ TWA AIHA WEEL |

| | |
|--|--|
| | 150 ppm TWA UK WEL (as total vapor & particulates) |
|--|--|

Refer to local regulations if exposure limits are not listed above.

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Individual Protection Measures, Such As Personal Protective Equipment:

Respiratory Protection: None should be needed for normal use. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin Protection: For prolonged exposure, use impervious gloves to prevent skin contact. In Europe follow EN 374.

Eye Protection: Wear safety goggles or other eye protection if needed to avoid eye contact. In Europe follow EN 166.

Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

| | |
|--|---|
| Appearance: Clear, colorless liquid saturated on a wipe | Vapor pressure: Not available |
| Odor: Alcohol odor | Vapor density: Not available |
| Odor Threshold: Not applicable | Relative density: 0.883 (Saturant) |
| pH: 7.5 (saturant) | Solubility(ies): Soluble in water (Saturant) |
| Melting point/freezing point: Not available | Partition coefficient (n-octanol/water): Not available |
| Boiling point/range: 78°C (172.4°F) (Ethanol) | Auto-ignition temperature: 363°C (685.40°F) (Ethanol) |
| Flash point: 22.0°C (71.6°F) (saturant) | Decomposition temperature: Not available |
| Evaporation rate: Not available | Viscosity: Not available |
| Flammability (solid, gas): Flammable solid | Explosive Properties: Not explosive |
| Flammable limits: LEL: 3.3% (Ethanol) UEL: 19.0% (Ethanol) | Oxidizing Properties: Not an oxidizer |

9.2 Other Information: None available

10. STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive under normal conditions of use.

10.2 Chemical Stability: Stable under normal storage and handling conditions.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Keep away from heat, sparks, and open flames.

10.5 Incompatible Materials: Avoid contact with strong oxidizing agents.

10.6 Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye: Direct contact with saturant may cause moderate eye irritation.

Skin: Prolonged contact may cause irritation with drying and dermatitis.

Inhalation: Inhalation of high concentrations of vapors may cause upper respiratory tract irritation, headache, dizziness, drowsiness, confusion, and other central nervous system effects.

Ingestion: Ingestion is unlikely for solid products. This product contains only a small amount of liquid. No adverse effects are expected.

Chronic Effects: None known.

Acute Toxicity Values:

Ethanol: Oral rat LD50: 10470 mg/kg, Inhalation rat LC50: 124.7 mg/L/4hr

1, 2-Propanediol: Oral rat LD50: 22000 mg/kg, Dermal rabbit LD50: >2000 mg/kg

Skin corrosion/irritation: Ethanol: Not irritating to rabbit skin. 1, 2-Propanediol: Not irritating to rabbit skin. This product not expected to cause skin corrosion or irritation.

Eye damage/irritation: Ethanol: Showed reversible eye irritation on rabbit eyes. This product is expected to cause eye irritation.

Respiratory Irritation: This product is not expected to cause respiratory irritation.

Respiratory Sensitization: This product is not expected to cause respiratory sensitization.

Skin Sensitization: This product not expected to cause skin sensitization.

Germ Cell Mutagenicity: Not expected to cause mutagenic activity.

Carcinogenicity: Ingestion of alcoholic beverages is known to cause cancer in humans. The carcinogen classification does not apply for this product. None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, or EU CLP.

Reproductive Toxicity: Reproductive harm is not expected from this product.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available

Aspiration Hazard: Components are not aspiration hazards.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Ethanol: 96 hr LC50 Fathead minnow: 14.2 g/L, 48 hr LC50 Ceriodaphnia dubia: 5012 mg/L
1, 2-Propanediol: 96 hr LC50 Rainbow trout: 40613 mg/L,

This product is not expected to be harmful to the aquatic environment.

12.2 Persistence and Degradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

12.6 Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: For used wipes: Do not reuse. Pick up wipe and place in an appropriate container for flammable waste disposal. Do not flush in toilet. Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

| | 14.1 UN Number | 14.2 UN Proper Shipping Name | 14.3 Hazard Class(s) | 14.4 Packing Group | 14.5 Environmental Hazards |
|---------------------|-----------------------|--|-----------------------------|---------------------------|-----------------------------------|
| US DOT | UN3175 | Solids containing flammable liquid, n.o.s. (Ethyl Alcohol) | 4.1 | II | Not applicable |
| Canadian TDG | UN3175 | Solids containing flammable liquid, n.o.s. (Ethyl Alcohol) | 4.1 | II | Not applicable |
| EU ADR/RID | UN3175 | Solids containing flammable liquid, n.o.s. (Ethyl Alcohol) | 4.1 | II | Not applicable |
| IMDG | UN3175 | Solids containing flammable liquid, n.o.s. (Ethyl Alcohol) | 4.1 | II | Not applicable |
| IATA/ICAO | UN3175 | Solids containing flammable liquid, n.o.s. (Ethyl Alcohol) | 4.1 | II | Not applicable |

* Note: Packages that meet the limited quantity provisions of the various modal regulations may be shipped as Limited Quantities.

14.6 Special Precautions for User: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

15.1 Safety, Health, and Environmental Regulations /Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the ingredients of this product are listed on the TSCA inventory.

STATE REGULATIONS:

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Massachusetts RTK: Ethanol is listed.

Pennsylvania RTK: Ethanol and 1, 2-Propanediol are listed.

Rhode Island RTK: Ethanol and 1, 2-Propanediol are listed.

New Jersey RTK: Ethanol and 1, 2-Propanediol are listed.

CANADIAN REGULATIONS

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).

EUROPEAN REGULATIONS

REACH: Nice-Pak/PDI products comply with REACH regulation as applicable. For more information, contact Nice-Pak/PDI, Inc.

SVHC: This product contains the following Substances of Very High Concern (SVHCs): None.

15.2 Chemical Safety Assessment: No data available

16. OTHER INFORMATION

| | | |
|---------------------------------|------------------|---------------------|
| HMIS Ratings: Health – 2 | Flammability – 3 | Physical Hazard - 0 |
| NFPA Ratings: Health – 2 | Flammability – 3 | Instability – 0 |

Date of preparation: August 9, 2018

Date of last revision: November 30, 2017

GHS Classification for Reference (See Section 3):

Eye Irrit. 2 Eye Irritant Category 2

Flam. Liq. 2 Flammable Liquid Category 2

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

Signature Manifest

Document Number: SDS 0098-00 English

Revision: 2

Title: SDS: Sani-Hands Instant Hand Sanitizing Wipes

All dates and times are in Eastern Time.

SDS 0098-00 English KB

Approval

| Name/Signature | Title | Date | Meaning/Reason |
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