

1. IDENTIFICATION

Product Name: Kirkland Signature Disinfecting Wipes – Lemon (4ASUR08)

Date of Preparation: June 7, 2017

Recommended use of the chemical and restrictions on use:

Recommended use: Use as a disinfectant wipe on hard, non-porous surfaces. Read and understand the entire label before using. Use only according to label directions. It is a violation of Federal law to use this product in a manner inconsistent to label directions.

Restrictions on use: Do not use on natural marble, windows, unpainted wood, brass, clear plastic or colored grout.

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

Phone Number: 1-845-365-1700

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

2. HAZARD(S) IDENTIFICATION

This product is a clear to slightly cloudy colorless to light yellow liquid with a lemon fragrance impregnated on wipes. There is a small amount of liquid on the wipes and no free liquid in the packages.

GHS Classification:

Physical	Health	Environmental
Not Classified	Eye Irritant Category 2B	Not Classified

Label Elements:

Warning!

Hazard Statements:

Causes eye irritation.

Precautionary Statements:

Wash thoroughly after handling.

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 attention.

Other Hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Non-Hazardous Components	Mixture	90-<100%
Hexyl Cellosolve	112-25-4	<3%
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	85409-23-0/ 68956-79-6	0.225%
Benzyl-C12-18-alkyldimethyl ammonium chlorides	68391-01-5	0.225%

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

4. FIRST-AID MEASURES**Description of First Aid Measures:**

Eye: Flush eyes thoroughly with water for several minutes, while holding the eyelids apart. 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: Not a normal route of exposure. If symptoms develop move victim to fresh air. Get medical attention if symptoms develop.

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

Most Important Symptoms/Effects, Acute and Delayed: Direct contact with liquid may cause moderate eye irritation.

Indication of Immediate Medical Attention and Special Treatment, If Necessary: None required under normal conditions of use.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate for surrounding fire.

Specific Hazards Arising From the Chemical: Product will burn under fire conditions. Combustion may produce oxides of carbon and nitrogen, ammonia, aldehydes, and ketones.

Special Protective Equipment and Precautions for Fire-Fighters: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Contain runoff.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with eyes. Wear appropriate protective clothing as described in Section 8.

Environmental Hazards: Avoid releases to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Do not reuse towelette. Pick up wipe and place in an appropriate container for infectious waste disposal. Do not flush in toilet.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Wear protective clothing and equipment as described in Section 8. Wash hands thoroughly with soap and water after use. Keep containers closed when not in use. Refer product label for additional information on use and handling.

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. Protect container from physical damage. Keep containers closed when not in use to prevent moisture loss.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Non-Hazardous Components	None Established
Hexyl Cellosolve	20 ppm TWA (supplier recommended)
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	None Established
Benzyl-C12-18-alkyldimethyl ammonium chlorides	None Established

Appropriate Engineering Controls: General ventilation is adequate under normal conditions of use. Refer product label for additional information.

Individual Protection Measures, Such As Personal Protective Equipment:

Respiratory Protection: None required for normal use. In case of insufficient ventilation, wear suitable respiratory equipment. Refer product label for additional information.

Skin Protection: Use disposable protective gloves to prevent skin contact.

Eye Protection: Wear safety goggles or other eye protection to prevent eye contact.

Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to slightly cloudy colorless to light yellow liquid impregnated on a lint free wipe	Flammable limits: LEL: Not applicable UEL: Not applicable
Odor: Lemon fragrance	Vapor pressure: Not applicable
Odor Threshold: Not applicable	Vapor density: Not applicable
pH: 5.0-7.5 (Saturant)	Relative density: Not available
Melting point/freezing point: 0°C (32°F) (Saturant)	Solubility(ies): Soluble in water (Saturant)
Boiling point/range: 100°C (212°F) (Saturant)	Partition coefficient (n-octanol/water): Not applicable
Flash point: Not applicable	Auto-ignition temperature: Not applicable

Evaporation rate: Not available	Decomposition temperature: Not applicable
Flammability (solid, gas): Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions To Avoid: Keep away from heat and open flames.

Incompatible Materials: Avoid contact with strong oxidizing agents, anionic surfactants, halogens, strong acids, and bases.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon and nitrogen, ammonia, aldehydes, and ketones.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: This product is expected to cause moderate eye irritation based on test data from the OPPTS 870.2400 Acute Eye Irritation Study which resulted in Toxicity Category III.

Skin: Prolonged contact may cause minimal skin irritation. This is based on test data from the OPPTS 870.2500 Acute Skin irritation study which resulted in Toxicity Category IV.

Inhalation: Inhalation of high concentrations of vapors may cause upper respiratory tract irritation.

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.

Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by OSHA, IARC, and NTP.

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

Mutagenic Effects: Not expected to cause mutagenic activity.

Acute Toxicity:

Product ATE: >5000 mg/kg (oral and skin), 6 mg/L (inhalation, as mist)

Non-Hazardous Components: Not toxic.

Hexyl Cellosolve: Oral rat LD50: 738-1484 mg/kg, Inhalation rat LC0: >82.5 ppm/4hr (no deaths), Skin rabbit LD50: 757.35-869.55 mg/kg

Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides

And Benzyl-C12-18-alkyldimethyl ammonium chlorides: Oral rat LD50: >500 mg/kg, Inhalation rat LC50: 0.054-0.51 mg/L (as mist), Skin rabbit LD50: >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available for this mixture. The following ecotoxicity data is for the individual components:

Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides and Benzyl-C12-18-alkyldimethyl ammonium chlorides: 96 hr LC50 Fish: 0.86 ppm, 48 hr EC50 Daphnia: 0.0058-0.016 mg/L (Acute M-Factor: 100)

This product is expected to be very toxic to the aquatic environment. Releases to the environment should be avoided.

Persistence and Degradability: Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides and Benzyl-C12-18-alkyldimethyl ammonium chlorides: Readily biodegradable

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Towelette Disposal: Do not reuse towelette. Dispose of used towelette in trash. Do not flush in toilet.

Container Disposal: Put empty packaging in trash collection.

Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner. Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
US DOT	None	Not Regulated	None	None	Not applicable
IMDG	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds)*	9	III	Marine Pollutant
IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds)*	9	III	Yes

*Inner packages with less than 5 kg of solid are exempt per IMDG Code 2.10.2.7 and ICAO Special Provision A197.

Special precautions: None known

15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Product In Question:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of

non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling:

Keep Out Of Reach of Children

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using toilet.

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: Hexyl Cellosolve (112-25-4) <3%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: This product is a EPA Registered product #9480-5-72956. However, all of the ingredients of this product are listed on the TSCA inventory.

STATE REGULATIONS:

California Proposition 65: This product can expose you to chemicals including 1, 4-Dioxane and Propylene Oxide, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This product can expose you to chemicals including Ethylene Oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Massachusetts RTK: None listed

Pennsylvania RTK: None listed

Rhode Island RTK: None listed

New Jersey RTK: None listed

CANADIAN REGULATIONS:

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

16. OTHER INFORMATION**HMIS Ratings:** Health – 2

Flammability – 0

Physical Hazard - 0

NFPA Ratings: Health – 2

Flammability – 0

Instability – 0

SDS Revision History: New SDS**Date of preparation:** June 7, 2017**Date of last revision:** -