

# Nest Organic - Nest Prebiotic Baby Wipes (NDPW60) – SAFETY DATA SHEET

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## 1. Identification

Product Identifier: Nest Prebiotic Baby Wipes Item No.: NDPW60 (single pack); case of 12 packs Document Status: Manufacturer-approved; issued for official use (v1.0d).

Recommended Use: Pre-moistened wipes for infant/child skin cleansing. Restrictions on Use: External use only. Do not flush. Avoid contact with eyes. Do not use on broken/irritated skin. Keep out of reach of children. Not a disinfectant or sterilant.

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SDS Responsible Person: Clark Sather, Founder Email: [Clark.Sather@kckind.com](mailto:Clark.Sather@kckind.com)

Manufacturing Site: Fujian Dashan Paper Co., Ltd., Quanzhou, China FDA Establishment Registration: 3013123550 (Registration status per certificate; registration does not denote FDA approval or clearance).

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## 2. Hazard Identification

GHS Classification (mixture; finished product): Not classified under OSHA HazCom 2012 / GHS as supplied and used.

Label Elements: No signal word, pictograms, or hazard statements required for the finished article.

Other Hazards: Liquid may cause mild, transient eye irritation. Wipe substrate and paperboard packaging are combustible. Slippery surfaces possible if liquid is spilled.

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## 3. Composition / Information on Ingredients

Product form: Pre-moistened nonwoven article (wipes) containing an aqueous skincare lotion in a sealed flow-pack.

Substrate (cloth): LYOCELL (regenerated cellulose) nonwoven; plant-based fibre; no petroleum-based plastic fibres (no PP/PE/PET).

Typical lotion load (by wt. of finished wipe): 200–320% of dry substrate (~67–76% liquid in finished article). Manufacturer to confirm final load.

Lotion phase – mixture. Percentages below are specific (w/w) concentrations in the lotion phase:

<b>Component (INCI)</b>	<b>CAS No.</b>	<b>Typical % (w/w)</b>	<b>GHS Classification</b>
Aqua (Water)	7732-18-5	98.00	Not classified
Glycerin	56-81-5	3.00	Not classified
Propanediol (1,3-Propanediol)	504-63-2	3.00	Not classified
Aloe Barbadensis Leaf Juice (Aloe barbadensis Mill., extract)	94349-62-9	1.00	Not classified
Inulin	9005-80-5	1.00	Not classified
Alpha-Glucan Oligosaccharide	27707-45-5	0.50	Not classified
Polyglyceryl-4 Caprate	160391-93-5	0.50	Not classified
Gluconolactone	90-80-2	0.50	Eye Irrit. 2 (conc. substance) – mixture not classified at these levels
Sodium Benzoate	532-32-1	0.35	Eye Irrit. 2 (conc. substance) – mixture not classified at these levels
Sodium Levulinate	19856-23-6	0.30	Not classified
Sodium Anisate	536-45-8	0.02	Not classified
Sodium Gluconate	527-07-1	0.20	Not classified
Hydroxyacetophenone (p-Hydroxyacetophenone)	99-93-4	0.10	Not classified
Citric Acid	77-92-9	0.15	Eye Irrit. 2 (conc. substance) – mixture not classified at these levels
Sodium Citrate (citrate, sodium, dihydrate)	6132-04-3	0.30	Not classified

Fragrance/Colorants: None intentionally added. Impurities/Residuals: None known/expected at levels contributing to hazard classification (supplier confirmation on file).

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#### 4. First-Aid Measures

Most important symptoms/effects: Product not expected to present an acute health hazard under normal consumer use. Possible mild eye irritation on contact; GI upset if swallowed; skin irritation unlikely.

General: If symptoms persist, get medical advice/attention and show label/SDS.

Skin (intended route): No first aid typically required. Rinse with water if irritation occurs; discontinue use.

Eyes: Rinse cautiously with water for 10–15 minutes. Remove contact lenses if present/easy. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth; give small sips of water if conscious. Seek medical advice if symptoms occur or large amounts are swallowed.

Child safety: For ingestion of a wipe or significant liquid, seek prompt medical attention due to choking/obstruction risk.

Inhalation: Unlikely exposure. If aerosol/mist from large spills causes discomfort, move to fresh air and obtain medical advice if needed.

Notes to physician: Low acute toxicity expected. Treat symptomatically; consider foreign body/obstruction if a wipe was ingested.

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#### 5. Fire-Fighting Measures

Flammability of product: Liquid phase non-flammable (water-based). Wipe substrate and packaging are combustible.

Flash point: Not applicable.

Suitable extinguishing media:

Small fires: dry chemical, CO<sub>2</sub>, alcohol-resistant foam. Large/warehouse: water spray/fog or foam; cool exposed containers/pallets with water spray.

Unsuitable media: High-pressure water jets may spread burning debris; prefer spray/fog patterns.

Specific hazards: Combustion may produce CO, CO<sub>2</sub>, smoke/soot, hydrocarbons, trace aldehydes/organic acids. Flow-packs may rupture at high temperatures. Runoff may be slippery; avoid discharge to drains where feasible.

Protective equipment/precautions for firefighters: SCBA and full turnout gear. Isolate area; fight from upwind; cool exposures; prevent runoff entering waterways when practicable.

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## 6. Accidental Release Measures

Personal precautions: Slip hazard where liquid is present. Post warnings; restrict traffic. Standard hygiene; gloves/eye protection as good practice for industrial cleanup.

Environmental precautions: Not classified as environmentally hazardous; however, avoid uncontrolled discharge of large quantities to drains, surface waters, or soil. Do not flush wipes. If a large release threatens waterways, notify authorities per local rules.

Cleanup methods:

Bulk wipes: Collect intact packs; dispose damaged packs per Section 13. Liquid lotion: Contain with absorbent; collect to closed containers; wash with water/mild detergent; dry floor before reopening. Large spills: Dike/boom to keep from drains; manage collected liquid/absorbents as non-hazardous waste unless otherwise required.

Reference: See Sections 8 and 13.

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## 7. Handling and Storage

Handling: Avoid puncturing/tearing packs. Keep packs sealed when not in use to prevent drying/contamination. Clean up leaks promptly. Follow pallet stacking guidance; use FIFO/FEFO.

Storage conditions: Store in original, tightly closed packaging in a cool, dry, well-ventilated place. Recommended: 5–30 °C (41–86 °F). Avoid: Freezing; prolonged heat > 40 °C (104 °F); direct sunlight; strong oxidizers. Protect from physical damage/excess humidity.

Shelf life / in-use: 2 years unopened from manufacturing date (subject to conditions above). After opening, use within 3 months and reseal between uses.

Packaging & recycling marks: Use “Do Not Flush” icon on packs. Packaging identification codes: PAP 20/22 (paperboard/carton); LDPE 4 (flow-pack film); PP 5 (flip-lid where applicable). Check local recycling programs for acceptance.

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## 8. Exposure Controls / Personal Protection

Occupational exposure limits (OELs): No OSHA/ACGIH exposure limits established for mixture components at their use concentrations.

Engineering controls: None special under normal conditions. Provide general ventilation during large-scale industrial handling/cleaning, if needed.

Personal protective equipment (industrial/cleanup): Normally not required beyond standard hygiene. For bulk spills/extended handling, use protective gloves and safety glasses. Wash hands after handling.

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## 9. Physical and Chemical Properties (lotion phase unless noted)

Appearance: Clear to slightly hazy, colorless liquid on nonwoven wipe. Odor: Fragrance-free (no intentionally added fragrance). pH (25 °C):  $5.2 \pm 0.2$  (target 5.2; acceptable range 5.0–5.4). Melting/Freezing point:  $\sim 0$  °C (water-based). Initial boiling point/range: 100 °C (water-based). Flash point: Not applicable (aqueous). Evaporation rate: Similar to water. Flammability: Not flammable (liquid); substrate/packaging combustible. Vapor pressure: Similar to water. Relative density/Specific gravity:  $\sim 1.00$  at 25 °C. Solubility: Liquid is miscible with water; substrate is LYOCCELL cellulose and water-absorbent. Partition coefficient (n-octanol/water): Not determined (mixture). VOC content: Negligible/none added. Viscosity: Low; water-like. Explosive/oxidizing properties: Not considered explosive or oxidizing.

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## 10. Stability and Reactivity

Reactivity: No specific reactivity under normal conditions.

Chemical stability: Stable under recommended storage/handling.

Conditions to avoid: Freezing; prolonged elevated temperatures ( $> 40$  °C); direct sunlight; drying out of packs.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Thermal decomposition/combustion may produce CO, CO<sub>2</sub>, smoke/soot, and trace organic compounds.

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## 11. Toxicological Information

Likely routes of exposure: Skin (intended), eyes (accidental), ingestion (accidental), inhalation (unlikely).

Acute toxicity: Based on available data and component use levels, mixture is not expected to be acutely toxic by oral, dermal, or inhalation routes.

Skin corrosion/irritation: Not expected to be irritating with normal use; discontinue if irritation occurs.

Serious eye damage/irritation: May cause mild, transient irritation upon direct contact with liquid.

Respiratory or skin sensitization: No fragrance allergens intentionally added. Preservatives/boosters have low sensitization potential at cosmetic use levels; overall mixture not expected to sensitize.

Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity: No components at reportable levels are classified as CMR for this use; none listed by IARC/ACGIH/NTP/OSHA at relevant concentrations.

STOT-SE/STOT-RE / Aspiration hazard: Not expected.

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## 12. Ecological Information

Ecotoxicity: Mixture is not classified as hazardous to the aquatic environment at use levels.

Persistence/Degradability: Lotion ingredients are generally expected to be readily biodegradable based on ingredient class. No claim is made regarding finished-wipe biodegradation in the environment.

Material description (article): The wipe substrate is LYOCELL (regenerated cellulose), a plant-derived fibre; it does not contain plastic fibres (no polypropylene, polyethylene, or polyester). Cellulose is not a synthetic polymer derived from petroleum.

Material certificate on file: DIN CERTCO Registration No. 7W0579 (Lyocell fibre) – material-level certification; does not confer compostability for the finished wipe.

Packaging materials:

Carton: PAP 20/22 (paperboard). Flow-pack film: LDPE 4. Flip-lid: PP 5.

Recycling of paperboard is widely available; recycling of LDPE films and PP components depends on local programs.

Environmental precautions: Prevent litter. Do not flush wipes. Avoid uncontrolled release of large quantities of liquid to drains or surface waters.

Other adverse effects: None known.

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### 13. Disposal Considerations

Consumer: Do not flush wipes. Dispose of used wipes in household trash. Recycle paperboard/cartons where accepted. LDPE films and PP lids may be recyclable where collection is available – check locally.

Industrial/Commercial: Dispose of collected liquid/absorbents and damaged packs as non-hazardous solid waste in accordance with local/regional/national regulations. Avoid discharge of large quantities of liquid to drains.

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### 14. Transport Information

U.S. DOT / IMDG / IATA: Not regulated as dangerous goods.

UN Number/Proper Shipping Name: Not applicable.

Special precautions: Protect from crushing/puncture; avoid extreme temperatures.

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### 15. Regulatory Information

OSHA HazCom 2012: Product (article) not classified as hazardous.

TSCA (U.S.): Ingredients of the lotion are listed or exempt (cosmetic/food-grade substances); confirmations held on file.

California Proposition 65: No intentionally added substances known to the Company that require a Prop 65 warning for the finished product; compliant based on current formulation.

Manufacturing site FDA establishment registration: Noted in Section 1 is an establishment-registration reference only and does not imply FDA approval or clearance of this product.

Other inventories/claims: No special country-specific inventory claims intended by this SDS.

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## 16. Other Information

Issue Date: December 2025 Revision: v1.0d

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Country of Manufacture: China

References (on file): DIN CERTCO Lyocell registration; FDA establishment registration certificate; supplier SDS for lotion ingredients; internal QC data (pH, PET, stability, microbiological).

Disclaimer: The information herein is believed to be accurate as of the date of issue and is provided in good faith for guidance and regulatory compliance. It relates only to the designated product and may not be valid if used in combination with other materials or processes. User is responsible for ensuring safe conditions of use, handling, storage, and disposal consistent with applicable laws and regulations.

Revision Summary (v1.0d): Section 3 updated to include CAS number for Alpha-glucan oligosaccharide (27707-45-5) per UL WERC Smart request. All other sections are unchanged from v1.0c.