

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Item Number: ID11, ID21, ID31, 66000081688, 66000082306, ID12, ID23, ID33, ID22, ID32, 50138, 50136, ID102, ID88

Product Name: Identifier™ Towelette

Recommended use and restrictions on use: Used as an inkless fingerprint producer when paired with NCP's carbonless technology.

Supplier: Nekoosa Coated Products LLC
841 Market Street
Nekoosa, WI 54457 USA
Non-emergency phone 1-800-826-4886

Emergency Phone Number: For Chemical Emergency – Spill, Leak, Fire, Exposure or Accident Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 1-800-424-9300
INTERNATIONAL: CALL 703-527-3887 (Collect Calls Accepted)

2. HAZARDS IDENTIFICATION

Hazard Classification(s): Category 4: Acute Toxicity – Oral



Precautionary Statement(s): **WARNING**
Harmful if Swallowed

Other Hazards: Potential choking hazard – do not ingest

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical	Common name/synonyms	CAS Number	% Range
Nonwoven polypropylene	Towellette	NA	10 - 30
Ethylhexyl Benzoate	Benzoic acid, 2-ethylhexyl ester	5444-75-7	5 – 15
Diocetyl Adipate	Bis(2-Ethylhexyl) adipate	103-23-1	15 – 35
Mixed decanoyl and octanoyl glycerides	Vegetable Oil Triglycerides	73398-61-5	5 – 15
Caprylic capric triglycerride	Caprylic/capric Triglyceride	65381-09-1	5 – 15
Diisobutyl Adipate	Adipic Acid Diisobutyl Ester	141-04-8	5 – 15
Fluorane Dyes	Trade Secret	Trade Secret	5 – 15

Other Ingredient Information: This product is a 4" x 5" polypropylene woven web towelette or a 1" by 2.5" towelette in an applicator pad placed in a heat-sealed packet, 2.0" x 2.25", with approximately 0.8 grams of solution added.

4. FIRST AID

Eyes:	May cause irritation. Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin Contact:	Not expected to be a primary skin irritant.
Ingestion:	No significant adverse effects are expected upon ingestion of the product.
Inhalation:	Exposure via inhalation not likely. Inhalation of vapors or mists of the product may be irritating to the respiratory system. If symptoms are experienced, remove to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, seek medical attention.
Symptoms/Effects:	See above
Immediate Medical Attention or Special Treatment Needed:	See above

5. FIRE FIGHTING MEASURES

NFPA HAZARD CODES:	HEALTH: 2
	FIRE: 0
	REACTIVITY: 0
OSHA FIRE HAZARD CLASS:	Class IIIB Combustible Liquid – not regulated under 29 CFR 1910.106
Suitable Extinguishing Media:	Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.
Special Hazards /Hazardous Combustion Products:	Not determined
Special protective equipment and precautions for firefighters:	Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH approved self-contained breathing apparatus with full faceplate operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.:	Refer to other sections of the MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.
Environmental precautions:	Not determined
Methods and materials for containment and cleaning up:	Ventilate area. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue. Place in an approved metal container and seal.

7. HANDLING AND STORAGE

Precautions for safe handling:	Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Combustible liquid and vapor. Avoid contact with water. No smoking while handling
Conditions for safe storage:	Store in a cool place. Keep container dry. Keep container in well-ventilated area.
Storage incompatibilities:	Store away from acids. Store away from heat.

8. EXPOSURECONTROLS / PERSONAL PROTECTION

Exposure Limit Values:	None established
Appropriate engineering controls:	Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Provide appropriate local exhaust ventilation on open containers. If exhaust ventilation is not adequate, use appropriate respiratory protection.
Personal protective equipment:	Eye protection: Avoid eye contact. Wear unvented goggles during operations in which exposure is likely. Skin protection: Normal work and hygiene practices for handling non-hazardous liquid material. Respiratory protection: Normal work and hygiene practices for handling non-hazardous liquid material.

9. Physical and chemical properties

Appearance:	Paper towelette moistened with Identifier Oil
Odor:	Not determined
Odor threshold:	Not measured
pH	Non-aqueous, Not measured
Melting/Freezing point	Not measured
Boiling point/Boiling point range:	Not measured
Flash point	> 260°C , 500°F (closed cup)
Evaporation rate	Not measured
Flammability:	Not measured
Upper/lower flammability or explosive limits:	Not measured
Vapor pressure:	Not measured

Vapor density	Not measured
Relative density:	Not measured
Solubility(ies)	Not measured
Partition coefficient: n-octanol/water	Not measured
Autoignition temperature	Not measured
Decomposition temperature	Not measured
Viscosity	Not measured

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Possible hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Heat, sparks, open flame
Incompatible materials	Strong oxidizing agents, strong acids, nitric acid, alkalis
Hazardous decomposition products	May form toxic materials: carbon dioxide and carbon monoxide, various hydrocarbons, etc.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Category 4 Acute Toxicity
	Values:
	Ethylhexyl Benzoate:
	>2,000 mg/kg rat. oral toxicity LD50
	>5,000 mg/kg rat. dermal toxicity LD50
	1,700 mg/kg rat. oral toxicity LD50
	10,000 mg/kg rabbit. dermal toxicity LD50
	Fluorane dye 1
	>5000 mg/kg oral rat LD50
	Fluorane dye 2
	>5000 mg/kg oral rat LD50
	>2000 mg/kg dermal rat LD50
	Vegetable Oil Triglycerides
	> 15,000 mg/kg oral rat LD50
	Diocetyl Adipate
	> 6,000 mg/kg oral rat LD50
	Estimated that 20-40% of the mixture consists of ingredient(s) of unknown acute toxicity
Chronic toxicity:	Ethylhexyl Benzoate:
	Causes damage to lungs, nervous system, mucous membranes.

Delayed effects:	None known
Immediate effects:	See Section 4
Carcinogenic:	Does not contain chemicals listed as potential carcinogen in National Toxicology Program (NTP) Report on Carcinogens (latest edition), International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA. Bacterial Reverse Mutation Assay (Ames) conducted June 7, 2012; No effect at highest concentration tested, 5.0 mg/plate
Symptoms	See Section 4
Eye effects:	See Section 4
Skin effects:	See Section 4; Repeated Dermal Patch Test conducted June 18, 2012; no visible skin reactions reported over 72-hrs; Identifier oil did not demonstrate the potential to elicit dermal irritation or sensitization.
Ingestion effects:	See Section 4
Other symptoms:	See Section 4

12. ECOLOGICAL INFORMATION

Ecotoxicity:	2-ethylhexyl benzoate > 0.125 mg/L 48-hr EC-50, Daphnia magna > 0.66 mg/L 96-hr LC-50, rainbow trout
Persistence and degradability:	Not measured
Bioaccumulative potential:	Not measured
Mobility in soil:	Not measured
Other adverse effects	None known

13. DISPOSAL CONSIDERATIONS

Description of waste residues:	Used towelette
Safe handling as waste:	Refer to Section 7. Handling and Storage
Methods of disposal:	Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.
Disposal of contaminated packaging:	Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

14. TRANSPORTATION INFORMATION

UN number:	UN 1373
UN proper shipping name:	Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil
Transport Hazard class(es):	4.2
Packing group:	III
Marine pollutant (Yes/No)	No
Special precautions for transport or conveyance:	For all transportation accidents, Call CHEMTREC at 800-424-9300

15. REGULATORY INFORMATION

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQ :	This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.
CERCLA/SARA - Section 311/312 (Title III Hazard Categories)	Acute Health: Yes Chronic Health: No Fire Hazard: No Pressure Hazard: No Reactive Hazard: No
CERCLA/SARA - Section 313:	This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372.
TSCA:	All components are either listed on the US TSCA Inventory, or are not regulated under TSCA
WHMIS Classification (Canada)	All constituents are on DSL
California Proposition 65:	This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

16. ADDITIONAL INFORMATION

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. NEKOOSA COATED PRODUCTS LLC MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Nekoosa Coated Products LLC product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of an Nekoosa Coated Products LLC product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Nekoosa Coated Products LLC product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.

Nekoosa Coated Products LLC. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing Nekoosa Coated Products LLC products are allowed provided that:

- 1) the information is copied in full with no changes unless prior agreement is obtained from Nekoosa Coated Products LLC, and
- 2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Nekoosa Coated Products LLC provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, Nekoosa Coated Products LLC makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from Nekoosa Coated Products LLC.