



a nuvik⁺ brand

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY INFORMATION

Product Name(s): Crocodile Cloth Antibacterial Hand Wipes
Product Code(s): 6102
Uses: Single use disposable antibacterial wipes for personal/hand cleaning.
Single use disposable wipes for surface cleaning.
Company: Nuvik USA Inc.
Address: 950 Claycraft Road; Gahanna, OH 43230; USA
Telephone Number: (614) 696-5910 or (855) 552-5684 Fax Number: Not available.
Emergency Telephone Number: Not available.
Date Issued: April 6, 2020 Date Revised: May 11, 2020

This SDS complies with the OSHA Hazard Communication Standard 29CFR1910.1200 as revised in May 2012 (GHS). It may not meet requirements in other countries.

SECTION 2 HAZARDS IDENTIFICATION

GHS Signal Word: None.
GHS Classification: Not classified as hazardous
GHS Hazard Statements: None.
GHS Precautionary Statements: Prevention: None. Response: None.
Storage: None. Disposal: None.
Hazards Not Otherwise Classified: None.
GHS Assessment: Approximately 0% of this mixture consists of ingredient(s) of unknown acute toxicity.
Approximately 0% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.

SECTION 3 COMPOSITION / INGREDIENTS

Component	CAS Number	EC Number	Concentration
Alkyl(C12-16)dimethylbenzylammonium	68424-85-1	270-325-2	0.1 - 1.0%

SECTION 3 COMPOSITION / INGREDIENTS

chloride	<i>Classification: Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400</i>		
Didecyl dimethyl ammonium chloride	7173-51-5	230-525-2	0.1 - 1.0%
	<i>Classification: Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400</i>		

Other components are non-hazardous, do not significantly contribute to the hazards of the product or do not require disclosure.

Trade Secret Claims: Specific chemical identity and/or exact percentage (concentration) of components has been withheld as a trade secret.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4 FIRST AID MEASURES

- First Aid - Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops.
- First Aid - Skin: In the unlikely event that contact causes a reaction, flush area with soap and water and seek medical attention.
- First Aid - Ingestion: If swallowed and feel unwell, call a physician or poison control center. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.
- First Aid - Inhalation: In the unlikely event that inhalation of product mists causes a reaction, move victim away from source of exposure and into fresh air. See medical attention.
- Important Symptoms / Effects – Acute and Delayed: Mild tissue inflammation.
- Advice to Physician: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

- Extinguishing Media: Treat surrounding material. Water spray, dry chemical, carbon dioxide, or foam is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.
- Specific Hazards: This product is not flammable. This product may give rise to hazardous vapors in a fire. Vapors/fumes may be irritating, corrosive and/or toxic.
- Protective equipment and procedures for fire-fighters: Wear full protective clothing and self-contained breathing apparatus.
- Additional Advice: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Spill Procedures: Collect and/or wipe up spills with an absorbent towel/material and transfer into suitable containers for recovery or disposal. Finally flush area with water.
- Personal Precautions: No special protective clothing is required.
- Environmental Precautions: No special containment is necessary. Do not dispose of product directly into the environment.

SECTION 7 HANDLING AND STORAGE

Handling: No special handling is required.

Storage: Keep container(s) tightly closed. Use and store this material at ambient temperatures away from heat, direct sunlight and hot metal surfaces. Keep away from any incompatible materials (see Section 10).

Additional Advice: Store in original container. Store as directed by the manufacturer.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Standards: Exposure limits are listed below, if they exist.

Crocodile Cloth Antibacterial Hand Wipes: None.

Alkyl(C12-16)dimethylbenzylammonium chloride: None.

Didecyl dimethyl ammonium chloride: None.

Engineering Control Measures: Not required under normal conditions of use.

Respiratory Protection: A NIOSH certified respirator with an organic cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits.

Hand Protection: Not required under normal conditions of use.

Eye Protection: Not required under normal conditions of use.

Body Protection: Not required under normal conditions of use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid mixture impregnated into a poly-viscose non-woven fabric

Color: White to slightly off-white

Odor: Characteristic, faint

Odor Threshold: Not available.

pH: 6.0 - 7.0

Melting Point/Range (°C/°F): Not available.

Boiling Point/Range (°C/°F): ≥ 100°C / 212°C (based on constituents)

Flash Point (PMCC) (°C/°F): Not flammable.

Evaporation Rate: Not available.

Flammability / Explosivity Limits in Air (%): Not available.

Vapor Pressure: ≤ 23.8 mmHg (25°C) (based on constituents)

Vapor Density (Air = 1): Not available.

Relative Density: Not available.

Solubility in Water: Soluble (based on constituents - liquid mixture)

Partition Coefficient: Not available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Autoignition Temperature (°C/°F):	Not available.
Decomposition Temperature (°C/°F):	Not available.
Viscosity:	Not available.
Explosive Properties:	None.
Oxidizing Properties:	None.
Volatile Organic Content (VOC) (g/l):	0 g/l (as defined by 40CFR51.100)

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Product will not undergo additional reaction.
Stability:	Stable under normal storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Contact with incompatible materials, excessive heat.
Incompatibilities:	Strong oxidizing agents, strong acids.
Hazardous Decomposition Products:	Oxides of carbon, oxides of nitrogen, amines, hydrogen chloride, aliphatic and aromatic compounds, toxic by-products.

SECTION 11 TOXICOLOGICAL INFORMATION

If available, toxicity data for the product is given; otherwise component data is listed.

Acute Toxicity:	This product is not expected to be appreciably harmful. (Alkyl(C12-16)dimethylbenzylammonium chloride) Oral LD50 (rat) 344 - 795 mg/kg; Dermal LD50 (rabbit) 3412.5 mg/kg; Inhalation LC50 (rat) 0.22 mg/l (4 hr) (aerosol) (Didecyl dimethyl ammonium chloride) Oral LD50 (rat) 329 mg/kg; Dermal LD50 (rat) > 1000 mg/kg (toxicity is secondary to local tissue damage)
Skin Corrosion / Irritation:	The product may be mildly irritating to the skin. (Alkyl(C12-16)dimethylbenzylammonium chloride) Corrosive to skin (rabbit). (Didecyl dimethyl ammonium chloride) Corrosive to skin (rabbit).
Serious Eye Damage / Irritation:	The product may be slightly irritating to the eyes. (Alkyl(C12-16)dimethylbenzylammonium chloride) Damaging to eyes (rabbit). (Didecyl dimethyl ammonium chloride) Expected to be damaging to eyes based on its corrosive nature.
Respiratory or Skin Sensitization:	The product is not expected to be dermally sensitizing. (Alkyl(C12-16)dimethylbenzylammonium chloride) Not dermally sensitizing (guinea pig). (Didecyl dimethyl ammonium chloride) Not dermally sensitizing (guinea pig).
Mutagenicity:	This product is not expected to be mutagenic. (Alkyl(C12-16)dimethylbenzylammonium chloride) Not mutagenic (Ames test, in vitro mammalian chromosome aberration test, mammalian cell gene mutation assay and micronucleus assay). (Didecyl dimethyl ammonium chloride) Not mutagenic (Ames test, in vitro mammalian chromosome aberration test and mammalian cell gene mutation assay).
Carcinogenicity:	This product is not expected to be carcinogenic. (Alkyl(C12-16)dimethylbenzylammonium chloride) In a 2-year oral study in rats at up to 2000 ppm in diet, there was no significant carcinogenic activity detected (NOAEL was 97 mg/kg/day). (Didecyl dimethyl ammonium chloride) In a 104 week oral study in rats at up

SECTION 11 TOXICOLOGICAL INFORMATION

to 55.4 mg/kg/day, there was no significant carcinogenic potential observed.

Reproductive / Developmental Toxicity: This product is not expected to be reproductively or developmentally harmful. (Alkyl(C12-16)dimethylbenzylammonium chloride) In orally dosed rabbits at up to 30 mg/kg/day, there was no significant effect to maternal reproductive and fetal toxicity; however the NOAEL for maternal systemic toxicity was 3 mg/kg/day based on mortality, weight gains and gross pathology. (Didecyl dimethyl ammonium chloride) In orally-dosed rabbits at up to 32 mg/kg/day, the maternal NOAEL was 4 mg/kg/day based on fetal mortality and post implantation loss; the fetal NOAEL was 12 mg/kg/day based on embryotoxic / teratogenic effects.

Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Single Exposure: This product is not expected to cause organ effects or systemic toxicity upon a single exposure. (Alkyl(C12-16)dimethylbenzylammonium chloride) No data. (Didecyl dimethyl ammonium chloride) No data.

Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Repeated Exposure: This product is not expected to cause organ effects or systemic toxicity upon repeated exposure. (Alkyl(C12-16)dimethylbenzylammonium chloride) In a 95 day oral study in rats at up to 62 mg/kg/day, the NOAEL was 31 mg/kg/day with only slight or no systemic toxicity. (Didecyl dimethyl ammonium chloride) In a 52-week oral study with rats at up to 55.4 mg/kg/day, the NOAEL was 31 mg/kg/day based on decreased body weights and food consumption.

Aspiration Hazard: 0.00%

Additional Information: None.

SECTION 12 ECOLOGICAL INFORMATION

If available, ecological data for the product is given; otherwise component data is listed.

Acute Ecotoxicity: This product may be toxic to aquatic organisms. Classification is not required as the product's constituents are readily biodegradable and pose a low potential for bioaccumulation. (Alkyl(C12-16)dimethylbenzylammonium chloride) LC50 (Bluegill sunfish) 0.515 mg/l/96 hr; EC50 (Daphnia magna) 0.016 mg/l/48 hr; EC50 (algae) 0.03 mg/l/96 hr. (Didecyl dimethyl ammonium chloride) LC50 (Zebra fish) 0.49 mg/l/96 hr; EC50 (Daphnia magna) 0.029 mg/l/48 hr; ErC50 (algae) 0.062 mg/l/72 hr.

Mobility: (Alkyl(C12-16)dimethylbenzylammonium chloride) No data. (Didecyl dimethyl ammonium chloride) No data.

Persistence/Degradability: (Alkyl(C12-16)dimethylbenzylammonium chloride) Readily biodegradable (63% in 28 days). (Didecyl dimethyl ammonium chloride) Readily biodegradable (69% in 28 days).

Bioaccumulation: (Alkyl(C12-16)dimethylbenzylammonium chloride) A BCF of 79 in fish indicated a low potential for bioaccumulation. (Didecyl dimethyl ammonium chloride) An estimated BCF of 71 in fish indicated a low potential for bioaccumulation.

Other adverse effects: None.

SECTION 13 DISPOSAL CONSIDERATION

Environmental precautions: No special containment is necessary. Do not dispose of product directly

SECTION 13 DISPOSAL CONSIDERATION

	into the environment.
Product Disposal:	Dispose in accordance with all local, state (provincial), and federal regulations.
Container Disposal:	Dispose in accordance with all local, state (provincial), and federal regulations.

SECTION 14 TRANSPORT INFORMATION

DOT (US):

Proper Shipping Name:	Not regulated
UN Number:	None.
Class:	None.
Packaging Group:	None.
Reportable Quantity:	None.
Marine Pollutant:	None.

IATA:

Proper Shipping Name:	Not regulated
UN Number:	None.
Class:	None.
Packing Group:	None.

IMDG:

Proper Shipping Name:	Not regulated
UN Number:	None.
Class:	None.
Packing Group:	None.
Marine Pollutant:	None.

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

SECTION 15 REGULATORY INFORMATION

US Toxic Substance Control Act:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian Domestic Substance List:	All components of this product are listed on the Canadian Domestic Substance List.
EU REACH:	All components of this product have been pre-listed or registered under REACH.
TSCA Sec.12(b) Export Notification:	This product does not contain a chemical at or above de minimis concentrations which requires reporting.
Canadian WHMIS Classification:	None. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 15 REGULATORY INFORMATION

Massachusetts Right-To-Know: This product does not contain materials subject to disclosure under the Massachusetts Right-To-Know Law.

New Jersey Right-To-Know: This product does not contain materials subject to disclosure under the New Jersey Right-To-Know Law.

Pennsylvania Right-To-Know: This product does not contain materials subject to disclosure under the Pennsylvania Right-To-Know Law.

California Proposition 65: This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA TITLE III-Section 311/312 Categorization (40 CFR 370): None.
(as of 2018, the EPA has adopted GHS hazard classifications)

SARA TITLE III-Section 313 (40 CFR 372): This product does not contain materials which are listed in Section 313 at or above de minimis concentrations.

CERCLA Hazardous Substance (40 CFR 302): This product does not contain materials subject to reporting under CERCLA and Section 304 of EPCRA.

Water Hazard Class (WGK): This product is slightly water-endangering (WGK=1).

Other Chemical Inventories:

Australia (AICS):	All components of this product are listed.
China (IECSC):	All components of this product are listed.
Japan (ENCS):	All components of this product are listed.
Korea (KCI):	All components of this product are listed.
Philippines (PICCS):	All components of this product are listed.
Taiwan (TCSI):	All components of this product are listed.

SECTION 16 OTHER INFORMATION

NFPA Rating - HEALTH: 1

NFPA Rating - FIRE: 0

NFPA Rating - REACTIVITY: 0

NFPA Rating - SPECIAL: NONE

Full text of H-Statements referred to under Section 3:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H400	Very toxic to aquatic life

SDS Date Issued: April 6, 2020

SDS Current Version: 1.1 Version Date: May 11, 2020

SDS Revision History: v1.0 Initial version.
v1.1 Updated chemical control inventory information (Section 15).

Abbreviations:

GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
CAS#:	Chemical Abstract Services Number
ACGIH:	American Conference of Governmental Industrial Hygienists
OSHA:	Occupational Safety and Health Administration
NFPA:	National Fire Protection Association

SECTION 16 OTHER INFORMATION

DOT: US Department of Transportation
RCRA: US Resource Conservation and Recovery Act
TLV: Threshold Limit Value
TWA: Time-Weighted Average
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
WEEL: Workplace Environmental Exposure Levels
AIHA: American Industrial Hygiene Association
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
LD50: Lethal Dose 50%
LC50: Lethal Concentration 50%
NOAEL: No Observed Adverse Effect Level
NOEL: No Observed Effect Level
EC50: Effective Concentration 50%
LL50: Lethal Loading Rate 50%
BCF: Bioconcentration Factor
BOD: Biological Oxygen Demand
Koc: Soil Organic Carbon Partition Coefficient.
Tlm: Median Tolerance Limit

Key References: United States National Library of Medicine's TOXNET
Patty's Toxicology, 5th Edition
European Commission's Institute for Health and Consumer Protection
European Chemicals Agency (ECHA)
American Conference of Governmental Industrial Hygienists
International Agency for Research on Cancer
United States National Toxicology Program
United States Occupational Safety and Health Administration
United States Department of Transportation
Supplier Material Safety Data Sheets

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Prepared by: ChemOne Compliance, LLC