

MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

State Chemical Ltd.
1745 Meyerside Dr., Unit #1, Mississauga, Ontario L5T 1C6 (905) 670-4669

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **NDC NEUTRAL DISINFECTANT CLEANER (Apple Orchard, Morning Fresh)**
Product Description: A formulated cleaner, disinfectant, detergent, fungicide, virucide and mildewstat.
MSDS Number: 700467
EPA Registration Number: 1839-169-70799 Canadian DIN/PCP Number: 02242603, 02245816/26326
24-Hour Emergency CHEMTREC Number: 800-424-9300
EPA Establishment Number: 70799-OH-1

2. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients

	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	1.627%	NE	NE
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	0.814%	NE	NE
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.814%	NE	NE
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	68424-85-1	2.170%	NE	NE

Hazardous Ingredients

	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Linear Ethoxylate	34398-01-1	< 3.0%	NE	NE
Tetrasodium EDTA	64-02-8	< 2.0%	NE	NE
Ethanol	64-17-5	< 5.0%	1000 ppm	1000 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Danger. Corrosive. Causes eye and skin damage. Harmful or fatal if swallowed.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe eye irritation and burns.
Skin Contact: Prolonged or repeated contact with skin may cause severe skin irritation and burns.
Inhalation: May cause respiratory irritation. Vapors or mists of product may cause irritation to mucous membranes. Prolonged inhalation of vapors may cause nausea, incoordination and disorientation.
Ingestion: Harmful or fatal if swallowed. May cause severe irritation of the mouth, throat and stomach. May cause nausea, vomiting, diarrhea, abdominal pain or gastrointestinal disturbances.
General: May aggravate existing lung and skin conditions.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

Flashpoint (Method): > 200°F (SETA).
Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA
Flammable Properties: Strong acids and bases react with aluminum to form hydrogen which is explosive if ignited.
Extinguishing Media: Carbon Dioxide, water, dry chemical and foam. Type BC or ABC Extinguishers.
Fire Fighting Instructions: Wear a self-contained breathing apparatus with full protective clothing. Water may be used to cool closed containers to prevent possible explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain. Use absorbent to pick up residue and transfer to proper container. Flush area with water. Dispose of in accordance with all Federal, State and Local Regulations.

7. HANDLING AND STORAGE

Handling: This product is for industrial use only. Use with adequate ventilation. Wash thoroughly after handling. Do not take internally. Empty product containers may contain product residue. Avoid contact with skin, eyes and clothing. Avoid breathing vapors.
Storage: Keep out of reach of children. Keep containers closed when not in use. Store in a well-ventilated, cool, dry area. Keep away from heat, sparks and open flames. Store in an upright position. Do not reuse empty containers. Spilled material is slippery. Avoid extremes in temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use of general or local ventilation is recommended whenever this product is used in confined spaces or above ambient temperature.

Personal Protective Equipment:

Respiratory: If workplace exposure limit is exceeded, a NIOSH/MSHA approved air supply respirator is advised in the absence of environmental control.

Eye: Wear approved safety glasses or goggles with unperforated sideshields or faceshield.

Skin: Wear chemically impervious gloves. Wear long sleeves and long pants.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, greenish blue.	Odor:	Fragranced.
Physical State:	Liquid.	Freezing/Melting Point:	NA
pH:	6.4 +/- 0.4	Evaporation Rate:	Slower than Ethyl Ether.
Vapor Density:	Heavier than air.	Boiling Point:	212°F
Solubility in Water:	Complete.	Specific Gravity:	1.010 +/- 0.010
Density:	8.38 lbs/gal.	VOC Content:	0%

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Extremes in temperature.
Incompatibility:	Anionic and strong oxidizing agents.
Hazardous Decomposition Products:	Nitrous oxides, ammoniacal vapors.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredients listed as a carcinogen in quantities greater than or equal to 0.1%

<u>Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	NE	NE
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	NE	NE
Didecyl Dimethyl Ammonium Chloride	7173-51-5	NE	NE
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	68424-85-1	426 mg/kg (oral rat)	NE
Linear Ethoxylate	34398-01-1	0.7-1.7 g/kg (oral rat)	NE
Tetrasodium EDTA	64-02-8	3030 mg/kg (oral rat)	48000 ppm/<4 hr (rat)
Ethanol	64-17-5	13.7 ml/kg (oral rat)	15.3 g/l/96 hr (flathead minnow)

12. ECOLOGICAL INFORMATION

This product is toxic to fish.

13. DISPOSAL CONSIDERATIONS

Do not reuse empty containers. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray or mixture or resale is a violation of Federal law. Triple rinse containers before discarding in trash. Offer metal drums for reconditioning or puncture and dispose of in a sanitary landfill. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned stay out of smoke. Follow all Federal, State and Local Regulations regarding waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Data:	Not regulated.
Canadian TDG:	Not regulated.

15. REGULATORY INFORMATION

TSCA:	All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.
CEPA:	All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65:	This product may contain trace amounts of the following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm. Ethylene Oxide 75-21-8 < 0.15 ppm Formaldehyde 50-00-0 < 25 ppm
VOC Content:	0% VOC. Product category not currently VOC regulated.
SARA 313:	This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

HMIS Rating:	HEALTH = 2	FLAMMABILITY = 0	REACTIVITY = 0	PPE = B
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WHMIS Rating: Not Regulated by WHMIS.

16. OTHER INFORMATION

NA = Not Available or Not Applicable
NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data is not to be taken as a warranty or representation for which the company assumes legal responsibility. The data is offered solely for your consideration, investigation, and verification. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

Completed On: February 2005 Replaces: February 2004 Completed By: Regulatory Affairs.