

SAFETY DATA SHEET

WORKING COPY



Date Prepared : 05/01/2015
SDS No : 1D.08NO Germ Free

Germ Free

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Germ Free
GENERAL USE: Disinfectant
PRODUCT CODE: 1D.08NO

DISTRIBUTOR

Northland Chemical Corp.
9655 NEWTON AVE SOUTH
DOCK #5
BLOOMINGTON, MN 55431
Emergency Phone: 651-414-6246
Customer Service: 651-414-6246

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation & Medical) : (800) 424-9300

EPA REG. NO.: 1839-83-70348

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation

SKIN: Causes skin irritation

INGESTION: Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

INHALATION: Exposure via inhalation not likely. High vapor or aerosol mist concentrations may be irritating to nose, throat and upper respiratory tract.

ROUTES OF ENTRY: Eyes; Ingestion; Skin

TARGET ORGAN STATEMENT: May cause irritation to eyes and skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Ethanol, 2-(2-butoxyethoxy)-	8	112-34-5
N-alkyl (c12-18)-n,n,-dimethyl-n-benzylammonium Chloride	0.105	68391-01-5
Alkyl C12, C14 dimethyl ethylbenzyl ammonium chloride	0.105	85409-23-0

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention or advice.

SKIN: Immediately take off all contaminated clothing. Wash contaminated clothing before reuse. For skin contact, flush with large amount of water. If irritation persists, get medical attention.

INGESTION: DO NOT induce vomiting. If ingestion of a large amount does occur, seek medical attention. Never give anything by mouth to a victim who is unconscious or is having convulsions.

INHALATION: If symptoms are experienced, move victim 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 further treatment advice.

NOTES TO PHYSICIAN: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂)

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal.

LARGE SPILL: Dike ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

GENERAL PROCEDURES: Personal Precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

SPECIAL PROTECTIVE EQUIPMENT: Wear protective clothing.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: KEEP OUT OF REACH OF CHILDREN

HANDLING: Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Consider normal working hygiene.

STORAGE: Store in a dry, well-ventilated area. Avoid freezing or excessive heat. DO NOT CONTAMINATED WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use mechanical (general) ventilation for storage areas.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and/or a full face shield where splashing is possible.

SKIN: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

RESPIRATORY: If vapors are present or irritation is experienced, NIOSH approved respiratory protection for vapors should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Fresh Floral

COLOR: Blue

pH: 11.7

PERCENT VOLATILE: No information Available

FLASH POINT AND METHOD: > 93.9°C (201 °F) PMCC

FLAMMABLE LIMITS: No information Available

AUTOIGNITION TEMPERATURE: No information Available

VAPOR PRESSURE: No information Available

VAPOR DENSITY: No information Available

BOILING POINT: > 10°C (212°F)

FREEZING POINT: > 0°C (32°F)

MELTING POINT: No information Available

POUR POINT: No information Available

THERMAL DECOMPOSITION: No information Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: No information Available

DENSITY: 8.38

SPECIFIC GRAVITY: 1.007 ~8.3 lbs/gal

VISCOSITY: No information Available

MOLECULAR WEIGHT: No information Available

(VOC): No information Available

OXIDIZING PROPERTIES: No information Available

10. STABILITY AND REACTIVITY

STABILITY: Stable Under Normal conditions.

CONDITIONS TO AVOID: Avoid strong oxidizing agents and acids. Keep containers closed.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Upon decomposition, this product may yield oxides of nitrogen and ammonia.

INCOMPATIBLE MATERIALS: Strong acids, alkalies, strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: 2700 mg/kg. (Rabbit)

ORAL LD₅₀: Acute Oral LD 50:

Guinea Pig: 2000 mg/kg

Mouse: 2400 mg/kg

Rabbit: 2200 mg/kg

Rat: 4500 mg/kg

NOTES: Acute Other LD50:

Mouse: 850 mg/kg

Rat: 500 mg/kg

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE): Toxic to aquatic organisms.

96-HOUR LC₅₀: 13000 mg/l Blue Gill (*Lepomis macrochirus*)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION): When packaged in 4 x1 gallon cartons this product is considered an ORM-D, consumer commodity.

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	12b,
N-alkyl (c12-18)-n,n,-dimethyl-n-benzylammonium Chloride	68391-01-5	
Alkyl C12, C14 dimethyl ethylbenzyl ammonium chloride	85409-23-0	

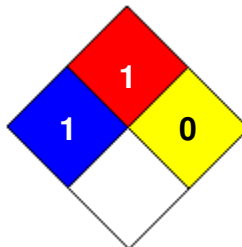
16. OTHER INFORMATION

Date Prepared: 05/01/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	X

NFPA CODES



MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.