

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | GeneFect ONE STEP DISINFECTANT CLEANER

PRODUCT CODE |

### EMERGENCY TELEPHONE NUMBERS

ISSUE DATE | 6-13-08

DISTRIBUTER                      **Genesan, LLC**  
 STREET ADDRESS                **PO Box 400**  
 CITY, STATE, ZIP                **Gorham, ME 04038**

**Transportation: (800) 424-9300 \***  
\* For spill, leak, fire or transport accident emergencies.  
**Product Information: (877) 854-0072**

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	<u>EXPOSURE LIMITS</u>		
			OSHA PEL	ACGIH TLV	NIOSH REL
N, N-Dialkyl (C8-C10)-N,N Dimethylammonium chloride	68424-95-3	3.3	NE	NE	NE
N-Alkyl (C12-C16) dimethyl-Benzylammonium chloride	68424-85-1	2.2	NE	NE	NE
Tetrasodium ethylenediamine tetraacetate	64-02-8	1.9	NE	NE	NE
Ethanol	64-17-5	1.0	NE	NE	NE
Sodium Metasilicate	6834-92-0	0.3	NE	NE	NE

## SECTION 3 -- HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	Causes severe eye damage. Can cause skin irritation. Harmful if swallowed
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<b>POTENTIAL HEALTH EFFECTS</b>	
<b>INGESTION</b> .....	Can cause chemical burns of mouth, throat, and stomach.
<b>INHALATION</b> .....	Mist causes irritation to nasal passages.
<b>EYE CONTACT</b> .....	Causes severe irritation and possible chemical burns.
<b>SKIN CONTACT</b> .....	Repeated contact can cause severe skin irritation.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Avoid alcohol. Get medical attention immediately.
INHALATION	Remove individual to fresh air, keep still seek medical attention.
EYE CONTACT	In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
SKIN CONTACT	In case of skin contact, immediately flush skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse.
NOTE TO PHYSICIAN	Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	>200 F Pensky - Martins Closed Cup	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	CO2, dry chemical, water fog		
SPECIAL FIRE FIGHTING PROCEDURES	Must wear full protective clothing and MESA/NIOSH approved self-contained breathing apparatus.		
FIRE AND EXPLOSION HAZARDS	Products of combustion are toxic.		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Dike and contain spills with inert material (sand, earth, etc.) and transfer the liquid and solid material separately to containers of recovery or disposal. Keep soil out of sewers and open bodies of water. Caution - floors may be slippery. WARNING MAY BE CORROSIVE WEAR PROPER PPE.

**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Do not contaminate water, food, or feed by storage and disposal.
STORAGE PRECAUTIONS	Store in a dry place no lower in temperature than 50F or higher than 120F.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment.
ENGINEERING CONTROLS	Facilities using this product must be equipped with an eyewash station.

**PERSONAL PROTECTIVE EQUIPMENT**

X	<b>RESPIRATOR</b>	Approved MSHA/NIOSH respirator is required if product is misted.
X	<b>GOGGLES / FACE SHIELD</b>	Chemical safety splash goggles ANSI approved.
X	<b>APRON</b>	Recommended to protect skin and clothing during use.
X	<b>GLOVES</b>	Required, use PVC, Neoprene, Nitrile
X	<b>BOOTS</b>	Recommended for cleaning up large spills or applying product in a manner which wets floors.

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear liquid	BOILING POINT	Not Known
ODOR	Quat	FREEZING POINT	32°F
pH	12.4	VAPOR PRESSURE	Similar to water
SPECIFIC GRAVITY	1.00	VAPOR DENSITY	No Data
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	1 (water = 1)

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>						
INCOMPATIBILITY	Avoid contact with strong oxidizing and reducing agents. Contact with anionic surfactants will deactivate the germicide.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Thermal decomposition; oxides of carbon and nitrogen, highly toxic hydrogen chloride fumes.					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>						

**SECTION 11 -- TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z</b>

**OTHER EFFECTS**

<b>ACUTE</b>	No Data
<b>CHRONIC</b>	No Data

**SECTION 12 -- ECOLOGICAL INFORMATION**

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	No Data					
ECOTOXICITY	No Data					

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD	Container Disposal: Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers may be disposed of in a sanitary landfill incinerator, if allowed by local authorities, by burning. If burned, stay out of smoke. Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.					
RCRA CLASSIFICATION	See label pertaining to disposal instructions.					
RECYCLE CONTAINER		YES	X		CODE	NO

**SECTION 14 -- TRANSPORT INFORMATION**

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
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**SECTION 15 -- REGULATORY INFORMATION**

## REGULATORY STATUS

X	EPA REGISTERED (UNDER FIFRA)	
X	FDA REGULATED	
X	KOSHER	
	SARA TITLE III MATERIAL	
X	USDA AUTHORIZED	

**SECTION 16 -- OTHER INFORMATION**

## NFPA CLASSIFICATION

3	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Alpha Chemical Services, Inc., in connection with the use of this information.