



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DCS-50N		DATE: March 03, 2011	
PRODUCT NUMBER:		DATE PREPARED: March 03, 2011	
TRADE NAME: DCS-50N			
GENERAL USE: Disinfectant			
CHEMICAL FAMILY: Disinfectant Blend + Surfactants			
PRODUCT DESCRIPTION: Clear liquid with slight odor. Fresh scent.			
COMPANY NAME: Gator Chemical Company		SUPERSEDES: New Edition	
ADDRESS (NUMBER, STREET, P.O. BOX) 2202 Industrial Boulevard		TELEPHONE NUMBER FOR INFORMATION / Customer Service 949-225-7657	
(CITY, STATE AND ZIP CODE) COUNTRY Sarasota, FL 34234 USA		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER  1-800-255-3924 813-248-0585 North America Toll Free International	
EPA Registry No.: 1839-167-12661			

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (w/w)	CAS #
Alkyl dimethyl benzyl ammonium chloride (C12-16) *	5-15	68424-85-1
Octyl decyl dimethyl ammonium chloride *	5-15	32426-11-2
Didecyl dimethyl ammonium chloride *	1-5	5538-94-3
Dioctyldimethylammonium chloride *	1-5	5538-94-3
Ethanol	1-5	64-17-5

Notes: All ingredients contained in this formula are listed on the Toxic Substances Control Act (TSCA) Chemical Inventory. Proprietary non-hazardous ingredients not listed and are considered proprietary under US and Canadian laws. * **Quaternary ammonium Cpd.**

SECTION 3 - HAZARDS IDENTIFICATION

INHALATION: Not expected to be a significant route of exposure. Inhalation of mists may cause irritation.						
SKIN: May cause skin irritation with dryness & stinging; this is more likely from prolonged or multiple exposures.						
EYES: May cause moderate eye irritation from splashing or contact with mists.						
INGESTION: May cause stomach upset, including vomiting and/or nausea. Product is moderately toxic by ingestion.						
CARCINOGENICITY: <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">NTP? NO</td> <td style="width: 33%;">IARC MONOGRAPHS? NO</td> <td style="width: 33%;">OSHA REGULATED? NO</td> </tr> <tr> <td>CALIFORNIA, Prop.65?</td> <td>NO</td> <td></td> </tr> </table>	NTP? NO	IARC MONOGRAPHS? NO	OSHA REGULATED? NO	CALIFORNIA, Prop.65?	NO	
NTP? NO	IARC MONOGRAPHS? NO	OSHA REGULATED? NO				
CALIFORNIA, Prop.65?	NO					

SECTION 4 - FIRST AID MEASURES

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-mouth, if possible. Call a poison control center or doctor for further treatment advice.
EYES: Hold eye open and rinse slowly and gently with potable water or eye wash solution for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water. Seek medical attention for severe/persistent cases.
INGESTION: Call poison control center (Toll-Free at 1-800-222-1222 within the USA) or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.


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SECTION 5 - FIRE FIGHTING MEASURES								
GENERAL HAZARDS: Classified as a non-combustible mixture under 49 CFR 173.120(b)(3). Product may be considered non-flammable / non-combustible.								
EXTINGUISHING MEDIA: Choose extinguishing media to fight surrounding fire.								
FIRE FIGHTING PROCEDURE: Firefighters should wear self-contained breathing apparatus and turn-out gear when fighting any chemical fire.								
UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may rupture from buildup of steam pressure; use water to cool containers as needed.								
HAZARDOUS COMBUSTION PRODUCTS: None known.								
SECTION 6 - ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use earthen dams to dike large spills. For small spills, wipe up and rinse with copious quantities of water. For larger spills, either vacuum liquid or use absorbent product.								
SECTION 7 - HANDLING AND STORAGE								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store indoors; Store below 120°F and avoid extreme temperatures to preserve product efficacy.								
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3
Ethanol	1000	1900	NE	NE	1000	NE	1000	1900
Other ingredients do not have any Occupational Exposure Limits assigned by ACGIH, OSHA, or NIOSH.								
PERSONAL PROTECTION								
RESPIRATORY PROTECTION: Local Exhaust Ventilation is acceptable. NIOSH/OSHA approved respirators may be used if respiratory irritation occurs.								
PROTECTIVE GLOVES: Impervious protective gloves are recommended for sustained contact. Neoprene is a good choice for glove material.								
EYE PROTECTION: Safety glasses with side shields are recommended where a splash hazard exists and as a good industrial practice.								
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not generally required. An impervious apron is suggested for situations where a splash hazard exists.								
WORK / HYGIENIC PRACTICES: Wash hands with soap and water after contact. Use emollient cleanser for mild dryness of skin.								
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES								
APPEARANCE AND ODOR Clear liquid with slight odor. Fresh scent.				VAPOR PRESSURE Same as Water				
pH NA				SPECIFIC GRAVITY (WATER = 1) ~1.0				
BOILING POINT / BOILING RANGE ~212°F				SOLUBILITY IN WATER Completely Soluble.				
FLASH POINT None - Non-Flammable				VISCOSITY NA				
FLAMMABLE LIMITS LEL: None UEL: None				VAPOR DENSITY (AIR = 1) Same as Water				
AUTO-IGNITION TEMPERATURE NA				EVAPORATION RATE (WATER = 1) ~1.0				

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY Stable under normal conditions and temperatures.		CONDITIONS TO AVOID: Extreme heat will reduce efficacy of product.	
INCOMPATIBILITY (MATERIALS TO AVOID): Water-reactive chemicals			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None known.			
HAZARDOUS POLYMERIZATION: Will not occur.		CONDITIONS TO AVOID: None related to polymerization.	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Component	CAS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Product (as shipped)	NR	Oral, rat: LD50 = 1000-3000 mg/kg (Estimated)	None Established
SECTION 12 - ECOLOGICAL INFORMATION			
No ecological information is available for this blended product; it is known to be biodegradable, however, based on the ingredients used in its manufacture. Product contains no Priority Pollutants under the Clean Water Act.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Dispose of container according to State, Federal and Local laws.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not regulated.			
DOT HAZARD CLASS / Pack Group: None		IATA HAZARD CLASS / Pack Group: None	
REFERENCE: None		IMDG HAZARD CLASS: None	
UN / NA IDENTIFICATION NUMBER: None		RID/ADR Dangerous Goods Code: None	
LABEL: None		UN TDG Class / Pack Group: None	
HAZARD SYMBOLS: None		Hazard Identification Number (HIN): None	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		Required components are listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health: Yes		Chronic Health: No	
Fire: No		Sudden Release of Pressure: No	
Reactive: No			
313 REPORTABLE INGREDIENTS: None			
CERCLA (USA - Comprehensive Response Compensation and Liability Act):		No reportable ingredients	
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:		Ethanol - as beverage only.	
CPR (Canadian Controlled Products Regulations):		No WHMIS warnings required.	
IDL (Canadian Ingredient Disclosure List):		Listed.	
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):		Listed where required.	

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SECTION 16 - OTHER INFORMATION			
Legend: NA = Not Available, NE = Not Established, ND = Not Determined, C = Carcinogen, NTP= National Toxicology Pro			
HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	2 1 0 B Glasses, Gloves	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
REVISION SUMMARY: New edition to ANSI. protocols 3/3/2011. LB			
MSDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com			
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.			