



**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: PANGUARD			
DATE: 5/22/2008			
TRADE NAME: PANGUARD			
GENERAL USE: Time Release Condensate Cleaner			
CHEMICAL FAMILY: Quaternary Ammonium Compounds			
PRODUCT DESCRIPTION: Solid, orange-red color.			
Manufacturers Name: Controlled Release Technologies, Inc.	DATE PREPARED: 5/22/2008		
ADDRESS (NUMBER, STREET, P.O. BOX) 1016 Industry Drive	SUPERSEDES: 4/22/2008		
(CITY, STATE AND ZIP CODE) Shelby, NC 28152	COUNTRY USA		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER 1-800-255-3924 North America Toll Free
DISTRIBUTOR'S NAME			01-813-248-0573 International
ADDRESS (NUMBER, STREET, P.O. BOX)	TELEPHONE NUMBER FOR INFORMATION / customer service (704) 487-0878		
(CITY, STATE AND ZIP CODE)	COUNTRY	DISTRIBUTOR EMERGENCY TELEPHONE NUMBER	

**SECTION 2 - HAZARDOUS INGREDIENTS**

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
n-alkyl Dimethyl Benzyl Ammonium Chloride	16	68391-01-5	269-919-4	(+C)	<b>R22,R34,R50</b>
n-alkylDimethyl Ethylbenzyl Ammonium Chloride.	16	68956-79-6	273-318-2	(+C)	<b>R22,R34,R50</b>

Notes:

**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**  
May be harmful or fatal if swallowed. Very toxic to aquatic organisms. Hazard

**POTENTIAL HEALTH EFFECTS**  
**INHALATION:**  
None expected due to low volatility of solid, however, any fumes generated as a secondary process are irritating  
**SKIN:**  
Irritating; irritation may result from contact.  
**EYES:**  
Contact with eyes is painful and irritating and may cause chemical burns.  
**INGESTION:**  
Irritating to digestive tract; may be harmful if swallowed.

**CARCINOGENICITY:**  
 NTP? NO      IARC MONOGRAPHS? NO      OSHA REGULATED? NO  
 CALIFORNIA, Prop.65? NO

**SECTION 4 - FIRST AID MEASURES**

**INHALATION:**  
Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

**EYES:**  
Check for and remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

**SKIN:**  
Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

**INGESTION:**  
Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

**GENERAL HAZARDS:**  
Product will support combustion. Product is corrosive. Products of combustion include compounds of carbon, hydrogen, oxygen and ammonia, including carbon monoxide. FLASH POINT-> 200° F (> 93.3° C).

**EXTINGUISHING MEDIA:**  
Carbon dioxide, water fog, dry chemical, chemical foam.

**FIRE FIGHTING PROCEDURES:**  
Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat. Caution - material will support combustion! Product may be irritating.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Closed containers can explode due to buildup of pressure when exposed to extreme heat.



PRODUCT NAME: PANGUARD  
DATE: 5/22/2008

# Material Safety Data Sheet

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## SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state, and federal regulations. Refer to 40 CFR 260 - 299 for complete waste disposal regulations for corrosive materials. Consult your local, state, or federal agency before disposing of any chemicals. Do not discharge into lakes, ponds, streams or public waters. Do not reuse empty container. Triple rinse empty container with water.

## SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not regulated.

DOT HAZARD CLASS / Pack Group: Not regulated.

REFERENCE: 49 CFR 173.154, .212, .240

UN / NA IDENTIFICATION NUMBER:

LABEL: None Required.

HAZARD SYMBOLS:

IATA HAZARD CLASS / Pack Group: Not regulated

IMDG HAZARD CLASS: Not regulated

RID/ADR Dangerous Goods Code: Not regulated

UN TDG Class / Pack Group:

Hazard Identification Number (HIN):

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 (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

### 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 RQ's Listed.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: No

CPR (Canadian Controlled Products Regulations): Not Listed.

IDL (Canadian Ingredient Disclosure List): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): All components are listed on the DSL.

EINECS (European Inventory of Existing Commercial Chemical Substances): Hazardous components are listed.

WGK Water Quality Index: No Information available for this class of compounds.

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
<b>R22 Harmful if swallowed.</b> <b>R36/38 Irritating to eyes and skin*.</b> <b>R52 Harmful to aquatic organisms.</b> *	None Required.	<b>S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</b> <b>S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.</b>

\* Product is timed release and as such releases a very limited quantity of the active ingredients over time lowering both personal and environmental hazards to lower category ratings.

## SECTION 16 - OTHER INFORMATION

Notes & full R-Phrase text: Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

HMIS HAZARD RATINGS	HEALTH:	1	0 = INSIGNIFICANT
	FLAMMABILITY: <td>1<td>1 = SLIGHT</td></td>	1 <td>1 = SLIGHT</td>	1 = SLIGHT
	PHYSICAL HAZARD: <td>0<td>2 = MODERATE</td></td>	0 <td>2 = MODERATE</td>	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT: <td>C<td>3 = HIGH</td></td>	C <td>3 = HIGH</td>	3 = HIGH
			4 = EXTREME

### REVISION SUMMARY:

Revised to current GHS/E.U. protocols 5/22/2008, supersedes 4/22/2008 issue.

### MSDS Prepared by:

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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.