

Material Safety Data Sheet

Date Prepared: 01-01-02

MSDS No. G072001-7

Section I Material Identification And Use

Product/Tradename: C.W.T.

NFPA Designation: Health 2 Flammability 0 Reactivity 0
 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Manufacturer's Name: Caled Chemical Emergency Telephone: (Chemtrec) 1-800-424-9300
 Address: 26 Hanes Drive, Wayne, NJ 07470 Working Hours (973) 696-7575

Chemical Name: Mixture Chemical Family: Aqueous Quaternary Solution

Formula: Mixture Material Use: Aqueous Quaternary Solution

Section II Hazardous Ingredients

Hazardous Ingredients	Cas Number	Approx. Percent	Exposure Limits	Other
Alkyl Dimethyl Benzylammonium Chloride (C8-C18)	Nd	Nd	4.5	No Listing Osha ,Acgih
Tributyl Tin Neodecanoate	Nd	2.5	No Listing Osha, Acgih	0.1 Mg/M3
Osha (Pel) Twa For				
Organotin Compounds (As Sn) 0.1 Mg/M3 Acgih (Tlv) Twa As Sn				
Organotin Compounds (As Sn)				
Alkyl Dimethyl Benzyl Ammonium Chloride	Nd	Nd	2.25	No Listing Osha, Acgih
Dimethyl Ethyl Ammonium Bromide	Nd	Nd	.75	No Listing Osha, Acgih

Section III Physical Data

Physical State: Liquid | Odor And Appearance: No Odor, Colorless Liquid

Specific Gravity| Vapor Pressure(Mm)| Vapor Density(Air=1)| Ph
 1.00 | Nd | Nd | Nd

Evaporation Rate | Boiling Point(F)| % Volatile(Vol) | Water Solubility
 (Butyl Ace=1) Slower | 212 | 90 | Complete

Section IV Fire And Explosion Hazard Data

Flash Point(F) Method | Flammable Limits In Air % By Volume
 >200 (Tag Closed Cup) | Upper: Na | Lower: Na

Extinguishing Media: Water /Fog | Carbon Dioxide | Dry Chemical

Special Fire Fighting Procedures:
 None Known

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Section IV Fire And Explosion Hazard Data (Continued)

Unusual Fire And Explosion Hazards

None Known

Section V Reactivity Data

Stability	Unstable	Conditions To Avoid:
	X Stable	None Known

Incompatibility (Materials To Avoid)

Oxidizing Agents

Hazardous Decomposition Products

Thermal: Carbon Monoxide , Ammonia, Nitrous Oxides, Hydrogen Chloride

Hazardous Polymerization	May Occur	Conditions To Avoid
	X Will Not Occur	None Known

Section VI Health And Toxicological Data

Route Of Entry

Skin Contact: X

Skin Absorption:

Eye Contact: X

Inhalation Acute: X

Inhalation Chronic:

Ingestion: X

Effects Of Acute Exposure

Skin And Eyes: Prolonged Contact Can Cause Irritation Which May Become Severe. Organotin Compounds Can Be Absorbed Through The Skin.

Ingestion: Probable Mucosal Damage And Possible Circulatory Shock If Large Amounts Are Ingested. Organotin Compounds Are Toxic By Ingestion.

Inhalation: Not A Normal Route Of Exposure. Mists If Inhaled Would Be Similar To Ingestion.

Effects Of Chronic Exposure

None Known

Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity

No Component Is Listed As A Carcinogen By Iarc, Ntp, Or Osha. Not Mutagenic. No Reproductive Or Teratogenic Properties Are Known Or Expected.

Emergency And First Aid Procedures

Eyes And Skin: Flush With Water. Get Medical Attention.

Ingestion: Drink Large Amounts Of Water, Milk, Egg Whites, Or Gelatin. Avoid Alcohol. Get Medical Attention Immediately.

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Inhalation: Remove To Fresh Air. If Not Breathing Apply Artificial Respiration If Necessary. Note To Physician: Mucosal Damage May Precede Gastric Lavage. Treat Circulatory Shock, Respiratory Depression And Convulsions As Needed.

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Section VII Spill Or Leak Information
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Steps To Be Taken If Material Is Released Or Spilled

Flush Small Amounts With Water To Sanitary Sewer If Permitted. Absorb Large Amounts With Inert Absorbent And Shovel Or Vacuum Into Closed Drum For Disposal. This Product Is Toxic To Fish. Do Not Discharge Treated Effluent Into Waterways Unless Permitted. Triple Rinse Empty Containers Before Disposal.

Waste Disposal Methods

In Accordance With Federal, State And Local Regulations.
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Section VIII Special Protection Information
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Respiratory Protection (Specify)

Not Required In Normal Operations.

Ventilation (Mechanical - General, Local, Special)

Mechanical-General: Sufficient Local: If Mists Are Generated

Gloves (Specify): Rubber Or Plastic

Eye (Specify): Goggles Or Face Shield

Other Protective Equipment

Eye Wash Station
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Section IX Special Precautions
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Precautions To Be Taken In Handling And Storing

Do Not Store In Steel Or Aluminum. Keep Away From Children. Do Not Freeze. Keep Containers Closed. Avoid Contact With Skin And Eyes.

Special Shipping Information

Dot: Not Regulated.

Un: Not Regulated.

Sara Title III, Section 313 Release Reporting And Other Covered Regulations

No Component Is Listed Under Sara Title III, Section 313 Release Reporting
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Na = Not Applicable Nd = No Data Available Ne = Not Established < = Less Than
> = Greater Than

Each Customer Is Encouraged To Study This MSDS Carefully To Become Aware Of And Understand The Associated Material Hazards. Proper Reference Works Should Be Consulted, As Necessary, To Use And Understand The Contained Data.

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This MSDS Should Be Properly Routed To All Individuals Who Use Or May Come In Contact With This Product. Understand And Follow All Pertinent Employee And Community Right To Know Regulations.

Believe That The Statements, Technical Information And Recommendations Contained Herein Are Reliable, But Given Without Warrantee Or Guarantee Of Any Kind, Express Or Implied, And We Assume No Responsibility For Any Loss, Damage, Or Expense, Direct Or Consequential, Arising From Their Use.