

Material Safety Data Sheet

Date Prepared: 01-01-02

MSDS No. G013001-4

Section I Material Identification and Use

Product/Tradename: **Pacemaker 2000**

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

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

Chemical Name: Mixture Chemical Family: Solvent Based Detergent

Formula: Mixture Material Use: Detergent

Section II Hazardous Ingredients

Hazardous Ingredients	Cas Number	Approx. Percent	Exposure Limits	Other
2-Butoxy Ethanol	111-76-2	1-5	25ppm OSHA (PEL) TWA skin 25ppm ACGIH(TLV)TWA skin	oral ld50 (rat)530 mg/kg dermal LD 50
(rabbit)400mg/mg				

Section III Physical Data

Physical State: Liquid | Odor And Appearance: Amber, Viscous Liquid With Solvent Odor

Specific Gravity | Vapor Pressure(Mm) | Vapor Density(Air=1) | Ph  
.960 | ND | ND | 5.0-7.0

Evaporation Rate | Boiling Point(F) | % Volatile(Vol) | Water Solubility  
(Butyl Ace=1) Nil | High | Nil | Forms Emulsion

Section IV Fire And Explosion Hazard Data

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

Extinguishing Media: Water /Fog Foam Carbon Dioxide Dry Chemical Other

Special Fire Fighting Procedures:  
Use Protective Clothing and Self Contained Breathing Apparatus. Cool Exposed Containers With Water.

Unusual Fire and Explosion Hazards  
None Known

**Pacemaker 2000**

Section V Reactivity Data

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Stability: | Unstable      Conditions To Avoid  
          | X Stable        None Known  
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Incompatibility (Materials to Avoid)  
Strong Oxidizers And Alkalies  
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Hazardous Decomposition Products  
Thermal Decomposition Will Produce Normal Combustion Products.  
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Hazardous    |    May Occur            Conditions To Avoid  
Polymerization| X Will Not Occur        None Known  
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Section VI Health And Toxicological Data

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Route Of Entry  
Skin Contact: X                            Skin Absorption:                            Eye Contact: X  
Inhalation Acute: X                        Inhalation Chronic:                        Ingestion: X  
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Effects Of Acute Exposure  
Skin And Eyes: Prolonged Contact May Cause Skin Defatting Or Eye Irritation.  
Ingestion: May Cause Gastric Disturbances and Mucous Lining Irritation.  
Inhalation: Not A Normal Route Of Entry, Mists May Cause Irritation To Mucous Linings.  
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Effects Of Chronic Exposure  
Preexisting Eye, Skin and Lung Disorders May Become Aggravated.  
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Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity  
No Component Is Listed As A Carcinogen By NTP, Iarc, Or OSHA. Not Mutagenic. No  
Reproductive Or Teratogenic Properties Are Known Or Expected.  
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Emergency And First Aid Procedures  
Skin And Eyes: Remove Contaminated Clothing And Flush Areas With Water. Get Medical  
Attention If Irritation Persists.  
Inhalation: Remove To Fresh Air. Get Medical Attention.  
Ingestion: Do Not Induce Vomiting. Dilute With Water Or Milk. Get Medical Attention.  
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Section VI Spill Or Leak Information

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Steps To Be Taken If Material Is Released Or Spilled  
If Locally Permitted, Small Spills Can Be Flushed With Water. Large Spills Should Be Dammed  
Absorbed Or Vacuumed Into A Closed Drum  
For Disposal. Rinse Area With Water.  
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Waste Disposal Methods

In Accordance With Federal, State And Local Regulations. May Be Used As A Fuel Additive.

**Pacemaker 2000**

Section VII Special Protection Information

Respiratory Protection (Specify)

None Needed In Good Ventilation. If TLV Values Are Exceeded, Use Suitable Organic Vapor Mask.

Ventilation (Mechanical - General, Local, Special)

Mechanical- General: Sufficient

Gloves (Specify): Rubber Or Other Impervious Material

Eye (Specify): Safety Glasses Or Goggles

Other Protective Equipment

Eye Wash Station, Protective Clothing As Required.

Section VIII Special Precautions

Precautions To Be Taken In Handling And Storing

Do Not Freeze. Keep Containers Closed When Not In Use. Do Not Store Near Heat Or Open Flames. Avoid Excessive Contact With Skin And Eyes. Do Not Inhale Mists Or Vapors. Wash After Use.

Special Shipping Information

Dot: Not regulated

UN: Not regulated

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

No Component Is Listed By Sara Title III, Section 313 Release Reporting.

Na = Not Applicable Nd = No Data Available Ne = Not Established < = Less Than G > = 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. 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.

We 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.