

Material Safety Data Sheet

Date Prepared: 01-01-02

MSDS No. G012001-8

Section I Material Identification And Use

Product/Tradename: **Nu Touch Xtra**

NFPA Designation: Health 1 Flammability 1 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 Based Detergent

Formula: Mixture Material Use: Aqueous Based Detergent

Section II Hazardous Ingredients

Hazardous Ingredients	Cas Number	Approx. Percent	Exposure Limits	Other
2-Butoxy Ethanol Ld50 (Rat) 530mg/Kg	111-76-2	1-10	25ppm Osha (Pel) Twa Skin 25ppm Acgih (Tlv) Twa (Skin)	Oral Dermal Ld50 (Rabbit) 400mg/kg

Section III Physical Data

Physical State: Liquid | Odor And Appearance: Solvent Odor, Clear Pale Yellow

Specific Gravity| Vapor Pressure(Mm)| Vapor Density(Air=1)| Ph
1.025 | Nd | Nd | 7.5 -8.8

Evaporation Rate | Boiling Point(F)| % Volatile(Vol) | Water Solubility
(Butyl Ace-1) Slower | 212 | 50 | Complete

Section IV Fire And Explosion Hazard Data

Flash Point(F), Method | Flammable Limits In Air % By Volume
>180 (Tag) | Upper: Nd | Lower: Nd

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

Special Fire Fighting Procedures:
Use self-contained breathing apparatus in confined areas. Use water to cool drums.

Unusual Fire And Explosion Hazards
None Known

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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 Oxidizing Agents And Alkalies.

Hazardous Decomposition Products
Thermal Decomposition Will Produce Normal Combustion Products.

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: X Eye Contact: X
Inhalation Acute: X Inhalation Chronic: Ingestion: X

Effects Of Acute Exposure
Skin And Eyes: May Cause Eye Irruption And Skin Defatting. 2-Butoxy Ethanol Is Absorbed Through The Skin To Produce Toxic Effects Similar To Inhalation.

Inhalation: Headache, Dizziness, Nausea And Loss Of Consciousness. Acutely Toxic In High Concentrations Can Cause Hemolysis, Liver And Kidney Injury Based On 2-Butoxy Ethanol, Although This Is Unlikely Due To The Small Amounts In The Formulation. Ingestion: Vomiting, Gastric Pain And Upset. 2-Butoxy Ethanol Is Moderately Toxic By Ingestion.

Effects Of Chronic Exposure
Preexisting Eye, Skin And Lung Disorders May Be Aggravated. 2-Butoxy Ethanol Has Caused Red Blood Cell Hemolysis, Liver And Kidney Damage With Overexposure In Test Animals.

Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity
No Component Is Listed As A Carcinogen By NTP, OSHA Or IARC. Not Mutagenic. 2-Butoxy Ethanol Has Shown Some Lethality To Animal Fetuses In Concentrations Well Above The Tlv. No Teratogenic Properties Are Known Or Expected.

Emergency And First Aid Procedures
Skin And Eyes: Flush With Large Quantities Of Water. Get Medical Attention If Irritation Persists. Remove Contaminated Clothing And Wash Before Reuse. Inhalation: Remove To Fresh Air. Apply Artifical Respiration If Not Breathing. Get Medical Attention. Ingestion: Dilute With Water If Conscious. If Vomiting Occurs, Keep Head Below Hip Level. Get Medical Attention.

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Section VI Spill Or Leak Information

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 Or
Vacuumed Into A Closed Drum For
Disposal. Rinse Area With Water.

Waste Disposal Methods In Accordance With Federal, State And Local Regulations.

Section VII Special Protection Information

Respiratory Protection (Specify)
None Needed With Good Ventilation. If Tlv's Are Exceeded, Use Suitable Organic Vapor Mask.

Ventilation (Mechanical - General, Local, Special)
Mechanical-General: Ventilation Is Suitable

Gloves (Specify): Rubber Or Other Impervious Material Eye (Specify): Eye Goggles Or Face
Shield

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
2-Butoxy Ethanol Is Listed Under Sara Title III, Section 313 Release Reporting.

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. 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.