

Material Safety Data Sheet

Date Prepared: 01-01-02

MSDS No. G066001-10

Section I Material Identification And Use

Product/Tradename: **Caled Spray Spotter**

NFPA Designation: Health 1 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: Caled Spray Spotter Chemical Family: Water Based Spotting Solution

Formula: Mixture Material Use: Spotter

Section II Hazardous Ingredients

Hazardous Ingredients	CAS Number	Approx. Percent	Exposure Limits	Other
2-Butoxy Ethanol Ld50 (Rat) 530mg/Kg (Rabbit) 400mg/Kg	111-76-2	1-5	25ppm OSHA (PEL) TWA (Skin) 25ppm ACGIH (TLV) TWA (Skin)	Oral Dermal Ld50
OSHA Hazard Combustible- Component: Hydrocarbons	64742-47-8	5-10	No Listing OSHA, ACGIH 200 PPM TWA (Supplier)	

Section III Physical Data

Physical State: Liquid | Odor And Appearance: Oxygenated Solvent Odor, Clear Colorless

Specific Gravity | Vapor Pressure(Mm) | Vapor Density(Air=1) | Ph
 .988 | ND | ND | 8-8.5

Evaporation Rate | Boiling Point(F) | % Volatile(Vol) | Water Solubility
 (Butyl Ace=1) Slower | 212 | 80 | Complete

Section IV Fire And Explosion Hazard Data

Flash Point(F) Method | Flammable Limits In Air % By Volume
 > 160 F (Tag Closed Cup) | Upper: ND | Lower: ND

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

Special Fire Fighting Procedures:
 Use Self Contained Breathing Apparatus In Confined Spaces. Use Water To Cool Drums.

Unusual Fire And Explosion Hazards - None Known

CaledSpray spotter

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.

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
Inhalation: Headache, Dizziness, Nausea And Loss Of Consciousness. Acutely Toxic In High Concentrations And Can Cause Hemolysis, Liver And Kidney Injury Based On 2- Butoxy Ethanol, Although This Is Unlikely Due To The Small Amounts In The Formulation.
Skin And Eyes: May Cause Eye Irritation And Skin Defatting. 2-Butoxy Ethanol Is Absorbed Through The Skin To Produce Toxic Effects Similar To Inhalation.
Ingestion: Vomiting, Gastric Upset And Pain. 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 Cell Hemolysis, Liver And Kidney Damage With Overexposure In Test Animals.

Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity
No Component Is Listed As A Carcinogen By NTP, IARC, Or OSHA. 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 Amounts Of Water For 15 Minutes. Get Medical Attention If Irritation Persists.
Inhalation: Remove To Fresh Air. Apply Artificial Respiration If Not Breathing. Get Medical Attention.
Ingestion: Dilute With Water If Conscious. If Vomiting Occurs, Keep Head Below Hip Level. Get Medical Attention. Remove Contaminated Clothing And Wash Before Reuse.

Caled spray spotter

Section VII 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 VIII Special Protection Information

Respiratory Protection (Specify)

None Needed With Good Ventilation. If TLV 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 , Face Shield

Other Protective Equipment

Eye Wash Station, Protective Clothing As Required.

Section IX 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.