

Material Safety Data Sheet

Date Prepared: 01-01-02

MSDS No. G056001-9

Section 1 Material Identification And Use

**Product/Trade Name: Ink Out**

NFPA Designation: Health 2 Flammability 2 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 Base Spotting Chemical

Formula: Mixture Material Use: Aqueous Base Spotting Chemical

Section 11 Hazardous Ingredients

Hazardous Ingredients	CAS Number	Approx. Percent	Exposure Limits	Other
OSHA HAZ Combustible	64742-88-7	20-30	NO DATA OSHA,ACGIH	Supplier TWA 100PPM hydrocarbon
OSHA HAZ Combustible	64742-95-6	25-35	NO DATA OSHA,ACGIH	Supplier TWA 35PPM Oral LD50(RAT)4.7 G/Kg INHLC50(RAT) 3670ppm (8hr)
2-Butyl Ethanol	111-76-2	10-15	OSHA (PEL)TWA 25ppm ACGIH (TLV)TWA	ORAL LD 50 530mg/kg DEMAL LD50
N-Amyl Acetate	628-63-7	10-15	OSHA (PEL)TWA 35ppm ACGIH (TLV) TWA-	TWA 100ppm

Section 111 Physical Data

Physical State: Liquid | Odor And Appearance: banana oil odor, opaque white, Thick liquid-gel.

Specific Gravity| Vapor Pressure(Mm)| Vapor Density(Air=1)| Ph  
 .850 | ND | ND | 3.5-4.5

Evaporation Rate | Boiling Point(F)| % Volatile(VOL) | Water Solubility  
 (Butyl Ace=1) Faster | ND | 65 | forms emulsion

Section IV Fire And Explosion Hazard Data

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

## INK-OUT

Extinguishing Media: Water /Fog Foam Carbon Dioxide Dry Chemical

Special Fire Fighting Procedures:  
Wear Self Contained Breathing Apparatus In Confined Areas. Cool Drums With Water.  
High Heat Or Thermal Decomposition May Create Ammonia Gases.

Unusual Fire And Explosion Hazards: None Known  
Section V Reactivity Data

Stability | Unstable Conditions To Avoid:  
| X Stable None except heat

Incompatibility (Materials To Avoid) Strong Oxidizing Agents.

Hazardous Decomposition Products: Thermal: Carbon Monoxide, Nitrous Oxides.

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  
Inhalation: Headache, Dizziness, Nausea, And Loss Of Consciousness. May Be Irritating To Nasal  
And Lung Membranes.  
Skin And Eyes: May Cause Eye Irritation An Skin Defatting.  
Ingestion: Vomiting, Gastric Upset And Pain.

Effects Of Chronic Exposure  
None Known

Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity  
No Component Is Listed As A Carcinogen By NTP, OSHA Or IARC. Not Mutagenic. No  
Reproductive Or Teratogenic Properties Are Known Or Expected.

#### Emergency And First Aid Procedures

**Skin And Eyes:** Remove Affected Clothing. Wash Affected Areas With Water. Get Medical  
Attention

**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.

**INK-OUT**

Section VII Spill Or Leak Information

Steps To Be Taken If Material Is Released Or Spilled  
Remove All Sources Of Ignition And Ventilate Area. If Locally Permitted Spills Can Be Flushed With Water. Large Spills Should Be Dammed And Shoveled Or Vacuumed Into Closed Drums 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 In Good Ventilation. If TLV Are Exceeded, Use Suitable Organic Vapor Mask.

Ventilation (Mechanical - General, Local, Special)  
Mechanical- General: Ventilation Is Suitable. Local: If TLV Are Exceeded.

Gloves (Specify): Rubber Or Impervious Material Eye (Specify): Eye Goggles Or 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: Flammable liquid NOS (contains amyl acetate)CL53, UN 1993 page 3  
Un: Flammable Liquid Nos, (contains amyl acetate)CL53, UN 1993 page 3, IMDG page 3345

Sara Title 111, Section 313 Release Reporting And Other Covered Regulations  
2-ethoxy ethanol is listed under SARA Title III, Section 313 release reporting as glycol ether compound. SARA Title III, Section 311/312 listed As acute health and fire Hazards. If this product becomes as waste, it would be ignitable waste D001. May contain trace of benzene (less than 30 PPM) an impurity which is known to state of California to be a carcinogen. 2-Butanol Is Listed

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 All Individuals Who Use And 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.

