

Material Safety Data Sheet

Date Prepared: 02-6-02

MSDS No. G151001

Section I Material Identification And Use

Product/Tradename: **HYDROCLENE P.O.G.**

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: Spot remover

Formula: Mixture Material Use: Stain Remover

Section II Hazardous Ingredients

Hazardous Ingredients	Cas Number	Approx. Percent	Exposure Limits	Other
2-butoxy ethanol	111-76 -2	10-15	25 PPM OSHA (PEL)TWA (SKIN) 20PPM ACGIH	ORAL LD 50 SKIN 530MG/KG DERMAL LD50
OSHA HAZ. COMBUSTIBLE COMPONENT: HYDROCARBON	64742-47-8	10-15	NO LISTING OSHA, ACGIH 200PPM TWA (SUPPLIER)	
OSHA HAZ. COMBUST. COMPONENT:HYDROCARBON	64742-48-9	10-30	171PPM BASED ON TOTAL HYDROCARBON SUPPLIER	

Section III Physical Data

Physical State: Liquid | Odor And Appearance: clear, pale yellow, mild solvent odor

Specific Gravity| Vapor Pressure(Mm)| Vapor Density(Air=1)| Ph
0.880 | Nd | Nd | 7.0 – 8.0

Evaporation Rate | Boiling Point(F)| % Volatile(Vol) | Water Solubility|
(Butyl Ace=1)slower ND 60 Dispersable

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Section IV Fire And Explosion Hazard Data

Flash Point(F) Method	Flammable Limits In Air % By Volume		
150 F	Upper: Nd	Lower: Nd	
Extinguishing Media: Water /Fog	Foam	Carbon Dioxide	Dry Chemical

Special Fire Fighting Procedures:

Use Self Contained Breathing Apparatus Use water to cool containers.

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 Metals

Hazardous Decomposition Products: BURNING MAY PRODUCE CARBON MONOXIDE.

Hazardous	May Occur	Conditions To Avoid
Polymerization	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. 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 & EYES: May cause eye irritation and skin defatting. 2-butoxy ethanol is absorbed through the skin To produce 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 disorder may be aggravated. 2-butoxy ethanol Has caused cell hemolysis, liver and kidney damage with overexposure in test animals.

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Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity

No Component Is Listed As A Carcinogen By Ntp, Iarc, Or Osha. Not mutagenic. 2-butoxy ethanol has shown Some lethality to animals fetuses in concentration well above the TLV. No Reproductive or teratogenic properties are known or expected.

EMERGENCY AND FIRST AID PROCEDURES:

Skin and Eyes: Remove contaminated clothing and flush affected areas with water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. Apply artificial respiration if not breathing. Get medical attention

Ingestion: do not induce vomiting. Dilute with water or milk. Get medical attention.

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 close drum for disposal. Do not allow to flow into open waterway or ground water.

Waste Disposal Methods

In Accordance With Federal, State and Local Regulations.

Section VIII Special Protection Information

Respiratory Protection (Specify)

Self contained breathing apparatus at high vapor concentration.

Ventilation (Mechanical - General, Local, Special)

Mechanical-General: Use with adequate ventilation.

Gloves (Specify): Neoprene

Eye (Specify): Eye Goggles

Other Protective Equipment

Eye Wash Station and safety shower.

Section IX Special Precautions

Precautions To Be Taken In Handling And Storing

Do not freeze. Keep container closed when not in use. Do not store near open flame. Avoid excessive contact with skin and eyes. Do not inhale mists or vapor. Wash after use.

Special Shipping Information

Dot: Not regulated

Un: Not regulated

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

2-Butoxy Ethanol 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.

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 Warranty 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.