

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: G-S Hypo Fabric Cement
PRODUCT NUMBER(S): _____ **DATE:** September 25, 2009

TRADE NAME: G-S Hypo Fabric Cement
GENERAL USE: Adhesive
CHEMICAL FAMILY:
PRODUCT DESCRIPTION:
 Transparent, clear, flammable liquid, ketone odor.



MANUFACTURED FOR:
G-S Supplies Inc.

DATE PREPARED: September 25, 2009
SUPERSEDES: October 23, 2008

ADDRESS (NUMBER, STREET, P.O. BOX)
1150 University Avenue, Suite 5

TELEPHONE NUMBER FOR INFORMATION / Customer Service
(585) 241-2370

(CITY, STATE AND ZIP CODE) **COUNTRY**
Rochester, NY 14607 **USA**

CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER
1-800-255-3924 **01-813-248-0585**
 North America Toll Free International

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Methyl ethyl ketone (a,b,c)	40 - 70	78-93-3	201-159-0	F, Xi	R-11, 36, 66, 67
Acetone (b,c)	7 - 13	67-64-1	200-662-2	F, Xi	R-11, 36, 66, 67

(a, c) See Section 15

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

Notes: Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
 Colorless flammable liquid, potentially hazardous vapors. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas.

POTENTIAL HEALTH EFFECTS

INHALATION:
 High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN:
 Brief contact may cause slight irritation; prolonged contact may cause moderate reddening, swelling and possible necrosis.

EYES:
 Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.

INGESTION:
 Moderately toxic; may cause headache, dizziness, diarrhea and general weakness; large doses may result in red blood cell

CARCINOGENICITY:
 NTP? **No** IARC MONOGRAPHS? **No** OSHA REGULATED? **No**

SECTION 4 - FIRST AID MEASURES

INHALATION:
 Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

EYES:
 Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

SKIN:
 Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

INGESTION:
 Give two glasses of water for dilution; do not induce vomiting, never give anything by mouth to an unconscious person; seek medical attention.

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SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

Flash Point: 4° F (-15.6° C) **TCC.** Product is flammable. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.

EXTINGUISHING MEDIA:

Carbon Dioxide, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES:

Firefighters must wear full facepiece Self-Contained Breathing Apparatus (SCBA) in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material is flammable!

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes or vapors, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

CAUTION - FLAMMABLE - Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; for spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 and SARA Title III, Section 313 40 CFR 372 for detailed instructions concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. **CAUTION - FLAMMABLE** - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Methyl ethyl ketone (a,b,c)	200	590	300	885	200	590	300	885
Acetone (b,c)	250	590	--	--	500	1188	750	1782

(a, c) See Section 15, (b) See Section 2

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES:

Neoprene, butyl or nitrile rubber gloves with cuffs.

EYE PROTECTION:

Chemical splash goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES:

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Transparent, clear liquid, ketone odor.	VAPOR PRESSURE 100 mm Hg @ 20° C
pH NA	SPECIFIC GRAVITY (WATER = 1) 0.900
BOILING POINT / BOILING RANGE 140° F (60° C) TCC	SOLUBILITY IN WATER Negligible
FLASH POINT 4° F (-15.6° C) TCC	VISCOSITY Not specified.
FLAMMABLE LIMITS LEL: 2.6% UEL: 12.8%	VAPOR DENSITY (AIR = 1) 2.5
AUTO-IGNITION TEMPERATURE 869° F (465° C)	EVAPORATION RATE (BUTYL ACETATE = 1) 5.0

SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE X	CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors,	
HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Methyl ethyl ketone (a,b,c)	78-93-3	3400 mg / kg Oral - rat	8000 ppm / 8H Inhalation - rat
	201-159-0		
Acetone (b,c)	67-64-1	9750 mg / kg Oral - rat	16,000 ppm / 4H Inhalation - rat
	200-662-2		



SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
 Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: ORM-D Limited Quantity or Adhesives	
DOT HAZARD CLASS / Pack Group: ORMD under 1 L / pkg. REFERENCE: 49 CFR 173.150, .173, .242 UN / NA IDENTIFICATION NUMBER: UN 1133 LABEL: ORMD or Flammable Liquid HAZARD SYMBOLS:	IATA HAZARD CLASS / Pack Group: 3 / II (5 L Pass, 60 L CAO) IMDG HAZARD CLASS: 3 / II RID/ADR Dangerous Goods Code: 3 UN TDG Class / Pack Group: 3 / II Hazard Identification Number (HIN): 33
	

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **All components of this product are listed.**
 SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):
 Acute Health: **Yes** Chronic Health: **Yes**
 Fire: **Yes** Sudden Release of Pressure: **No**
 Reactive: **No**

313 REPORTABLE INGREDIENTS: (a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CERCLA (USA - Comprehensive Response Compensation and Liability Act): (c) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 8,000 lbs) or greater amounts, according to 40 CFR 302.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **None**
 CCPR (Canadian Controlled Products Regulations): **This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: B2, D2A, D2B**



CIDL (Canadian Ingredient Disclosure List): **Listed.**
 CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Referenced on CDSL.**
 EINECS (European Inventory of Existing Commercial Chemical Substances): **Listed.**

WGK Water Quality Index: **2** VbK Index: **A I**

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
R11 : Highly flammable. R36 : Irritating to eyes. R66 : Repeated exposure may cause skin dryness or cracking. R67 : Vapors may cause drowsiness and dizziness.	 Flammable Irritant	S16 : Keep away from sources of ignition. S23 : Do not breathe vapor. S25 : Avoid contact with eyes. S28 : After contact with skin, wash immediately with plenty of soap and water.

SECTION 16 - OTHER INFORMATION

Legend: NA = Not Applicable, NE = Not Established, ND = Not Determined, NR = Not Reported

HMIS HAZARD RATINGS	HEALTH:	2*	0 = INSIGNIFICANT
	FLAMMABILITY:	3	1 = SLIGHT
	PHYSICAL HAZARD:	0	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT:	B	3 = HIGH
			4 = EXTREME
		* = Chronic Health Hazard	

REVISION SUMMARY:
 This MSDS has been revised in the following sections: Section 4, 15 - revision 9/25/09, replacing 10/23/08.

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.