

**Safety Data Sheet**  
according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 15.10.2012

Revision: 15.10.2012

**1 Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- Trade name: **G-S Hypo Fabric Cement**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Application of the substance / the preparation** Adhesives
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
G-S Supplies Inc.  
1150 University Avenue, Suite 5  
Rochester, NY 14607 USA  
Tel (585) 241-2370
- **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

**2 Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.



F; Highly flammable

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

### Hazard pictograms



GHS02 GHS07

### Signal word Danger

### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P233 Keep container tightly closed.

P264 Wash thoroughly after handling.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: ABC powder.

P403+P235 Store in a well-ventilated place. Keep cool.

### Hazard description:

### WHMIS-symbols:

B2 - Flammable liquid

D2B - Toxic material causing other toxic effects



### NFPA ratings (scale 0 - 4)



Health = 2

Fire = 3

Reactivity = 0

### HMIS-ratings (scale 0 - 4)



Health = \*2

Fire = 3

Reactivity = 0

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### · HMIS Long Term Health Hazard Substances

None of the ingredients is listed.

### · 2.3 Other hazards

#### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· **Description:** Mixture of substances listed below with nonhazardous additions.

### · Dangerous components:

CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone ☒ Xi R36; 🔥 F R11 R66-67 ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	50-100%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone ☒ Xi R36; 🔥 F R11 R66-67 ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-25%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

### · 4.1 Description of first aid measures

#### · General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### · After skin contact:

Clean with water and soap.

If skin irritation continues, consult a doctor.

#### · After eye contact:

Protect unharmed eye.

Rinse opened eye for several minutes under running water.

Remove contact lenses if worn, if possible.

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

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- **4.2 Most important symptoms and effects, both acute and delayed**  
 Dizziness  
 Coughing  
 Gastric or intestinal disorders
- **Hazards**  
 Danger of pulmonary oedema.  
 Danger of convulsion.  
 Condition may deteriorate with alcohol consumption.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
 If swallowed, gastric irrigation with added, activated carbon.  
 Monitor circulation, possible shock treatment.  
 If necessary oxygen respiration treatment.  
 Medical supervision for at least 48 hours.  
 Later observation for pneumonia and pulmonary oedema.  
 Treat skin and mucous membrane with antihistamine and corticoid preparations.

## 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
 ABC powder  
 CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
 In case of fire, the following can be released:  
 Carbon monoxide (CO)  
 Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
 Wear self-contained respiratory protective device.  
 Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water haze or fog.

## 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
 Use respiratory protective device against the effects of fumes/dust/aerosol.  
 Wear protective equipment. Keep unprotected persons away.  
 Ensure adequate ventilation  
 Keep away from ignition sources.  
 Protect from heat.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
 Allow to solidify. Pick up mechanically.  
 Clean the affected area carefully; suitable cleaners are:  
 Organic solvent

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**6.4 Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

**7 Handling and storage****7.1 Precautions for safe handling**

- Ensure good ventilation/exhaustion at the workplace.
- Keep receptacles tightly sealed.
- Keep away from heat and direct sunlight.

**Information about fire - and explosion protection:**

- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

- Store in a cool location.
- Provide ventilation for receptacles.
- Avoid storage near extreme heat, ignition sources or open flame.

**Information about storage in one common storage facility:**

- Store away from foodstuffs.
- Store away from oxidizing agents.

**Further information about storage conditions:**

- Store in cool, dry conditions in well sealed receptacles.
- Keep container tightly sealed.
- Protect from heat and direct sunlight.
- Store receptacle in a well ventilated area.
- Storage Temperatures : < 77 °F / 25 °C.

**7.3 Specific end use(s)** No further relevant information available.**8 Exposure controls/personal protection**

- Additional information about design of technical facilities:** No further data; see item 7.

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· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:****78-93-3 butanone**

IOELV (EU)	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm
PEL (USA)	590 mg/m <sup>3</sup> , 200 ppm
REL (USA)	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
TLV (USA)	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
EL (Canada)	Short-term value: 100 ppm Long-term value: 50 ppm
EV (Canada)	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm

**67-64-1 acetone**

IOELV (EU)	1210 mg/m <sup>3</sup> , 500 ppm
PEL (USA)	2400 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	590 mg/m <sup>3</sup> , 250 ppm
TLV (USA)	Short-term value: (1782) NIC-1187 mg/m <sup>3</sup> , (750) NIC-500 ppm Long-term value: (1188) NIC-475 mg/m <sup>3</sup> , (500) NIC-200 ppm
EL (Canada)	Short-term value: 500 ppm Long-term value: 250 ppm
EV (Canada)	Short-term value: 750 ppm Long-term value: 500 ppm

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

- Not necessary if room is well-ventilated.
- Use suitable respiratory protective device in case of insufficient ventilation.
- Use suitable respiratory protective device when high concentrations are present.

· **Protection of hands:**

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR  
Nitrile rubber, NBR  
Neoprene gloves

- **Eye protection:**

Contact lenses should not be worn.



Safety glasses

- **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment** No special requirements.

- **Risk management measures**

See Section 7 for additional information.  
No further relevant information available.

### 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Liquid

Colour: Clear

- **Odour:** Acetone-like

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 60°C (140 °F)

- **Flash point:** -16°C (3 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 465°C (869 °F)

- **Decomposition temperature:** Not determined.

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· <b>Self-igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	1,8 Vol %
<b>Upper:</b>	13,0 Vol %
· <b>Vapour pressure at 20°C:</b>	233 hPa
· <b>Density at 20°C:</b>	0,9 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>9.2 Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
 No decomposition if used and stored according to specifications.  
 Avoid temperatures above 77 °F / 25 °C.
- **10.3 Possibility of hazardous reactions**  
 Flammable.  
 Develops readily flammable gases/fumes.  
 Reacts with peroxides and other radical forming substances.  
 Reacts with strong acids and alkali.  
 Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.  
 Reacts with oxidizing agents.
- **10.4 Conditions to avoid**  
 Keep ignition sources away - Do not smoke.  
 Store away from oxidizing agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
 Hydrocarbons  
 Carbon monoxide and carbon dioxide

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**11 Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values relevant for classification:</b>		
<b>78-93-3 butanone</b>		
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Slight irritant effect on skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

- **Acute effects (acute toxicity, irritation and corrosivity)**

In addition to local irritant manifestations, there is a narcotic effect when inhaling high concentrations, with the danger of central respiratory arrest.

**12 Ecological information**

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** The product is partly biodegradable. Significant residuals remain.

- **12.3 Bioaccumulative potential** Does not accumulate in organisms

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

- **Additional ecological information:**

- **General notes:**

The product contains materials that are harmful to the environment.

Avoid transfer into the environment.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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· **12.6 Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agents:** Solvent naphtha

## 14 Transport information

· **14.1 UN-Number**· **DOT, ADR, IMDG, IATA**

UN1133

· **14.2 UN proper shipping name**· **DOT**

ADHESIVES

· **ADR**

1133 ADHESIVES

· **IMDG, IATA**

Adhesives

· **14.3 Transport hazard class(es)**· **DOT**· **Class**

3 Flammable liquids.

· **Label**

3

· **ADR**· **Class**

3 (F1) Flammable liquids.

· **Label**

3

· **IMDG, IATA**· **Class**

3 Flammable liquids.

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· <b>Label</b>	3
· <b>14.4 Packing group</b> · DOT, ADR, IMDG, IATA	II
· <b>14.5 Environmental hazards:</b> · Marine pollutant:	No
· <b>14.6 Special precautions for user</b> · Danger code (Kemler):	Warning: Flammable liquids. 33
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Product may be shipped as an IATA limited or excepted quantity as a Class 9 ID8000 Consumer Commodity; consult with shipper for more information.
· <b>ADR</b> · Tunnel restriction code	D/E
· <b>UN "Model Regulation":</b>	UN1133, ADHESIVES, 3, II

**15 Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

78-93-3 | butanone

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

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· **Carcinogenic Categories**· **EPA (Environmental Protection Agency)**

78-93-3	butanone	1
67-64-1	acetone	1

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

67-64-1	acetone	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Canada**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

78-93-3	butanone
67-64-1	acetone

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

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HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

**Sources**

This document was authored and reviewed by the technical and scientific staff at ChemTel Inc. Descriptions, classifications and calculations are based upon data provided by manufacturer and augmented by published data in conjunction with expert analysis by degreed scientists.

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