

SAFETY DATA SHEET

Date: 8 June 2009

Version: 1

Revision: 1

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

Product name	G-S Hypo Fabric Cement
Use	Adhesive
Supplier	G-S Supplies, Inc. Suite 520, 14 Tottenham Court Road London W1T 1JY, UK
Contact numbers	Information: 01-585-241-2370 / Medical: 01-813-248-0585
E-mail contact	info@gssupplies.com

2. Hazards identification

Classification	F; R11 - Xi; R36 - R66 - R67
Health hazards	The product is an eye irritant. May cause drowsiness and dizziness by inhalation. Prolonged or repeated use may cause skin dryness or cracking.
Environmental hazards	No environmental effects have been identified.
Fire and explosion hazards	The product is highly flammable. Fumes from product may be flammable or explosive in confined areas.

3. Composition/information on ingredients

Declarable components	Conc (%)	EC No.	CAS No.	Classification ^a
Butanone ^b	40 to 70	201-159-0	78-93-3	F; R11 - Xi; R36 - R66 - R67
Acetone	7 to 13	200-662-2	67-64-1	F; R11 - Xi; R36 - R66 - R67

^a See Section 16 'Other information' for full text of the R-phrases.

^b Also known as methyl ethyl ketone.

4. First-aid measures

Inhalation	If adverse effects (eg irritation of the airways, dizziness or drowsiness) occur during use of the product, move patient to fresh air. Give rest and obtain medical attention.
Skin contact	Remove contaminated clothing and wash affected area thoroughly with soap and water. If irritation occurs, or contamination is severe, seek medical attention. Launder contaminated clothing before re-use.
Eye contact	In case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. Seek prompt medical advice for signs of irritation or if other symptoms occur.
Ingestion	If swallowed, wash out mouth thoroughly and give water to drink. Seek medical attention. Do not induce vomiting.

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Medical treatment Show this safety data sheet to medical personnel. Give symptomatic treatment and supportive therapy.

5. Fire-fighting measures

Fire and explosive properties

The product is highly flammable. The product may produce flammable vapours which can flash back from source of ignition or ignite explosively.

Extinguishing media

Water spray, carbon dioxide, dry chemical and foam are compatible with the product. Water jets may cause splattering and spread the fire. Remove containers from fire or cool them with water.

Specific hazards

During combustion, product may decompose to form smoke and toxic fumes, gases or vapours, including oxides of carbon and nitrogen.

Protective equipment for fire fighters

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Personal precautions

For large-scale spills, ensure full personal protection is worn (see Section 8). Keep unauthorised personnel from the spillage area. Remove all sources of ignition. Use non-sparking equipment.

Environmental precautions

For large-scale spills, prevent leakage of product into water-courses or drainage system by diking with sand or other absorbent material. Contact authorities, water company, and waste-water treatment plant as appropriate if significant contamination occurs.

Method for cleaning up

Stop the source of leak or release. Clean up spill as soon as possible. Small spills can be mopped up with dry cloth or paper. Collect larger spill using techniques such as sorbent materials or pumping. Place material in suitable container for disposal in accordance with local and national regulations. Wash contaminated surfaces with water and detergent, and collect washings for safe disposal. Follow prescribed procedures for responding to large spills and reporting to appropriate authorities.

7. Handling and storage

Information for safe handling

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Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing as in Section 8. Good general ventilation is recommended.

Storage

Store in a cool, dry, well-ventilated place, away from direct sunlight. Keep container closed when not in use.

8. Exposure controls/personal protection

EU Occupational exposure limits (IOELVs)

Butanone: 8 h TWA, 600 mg/m³ (200 ppm); 15 min, 900 mg/m³ (300 ppm).

Acetone: 8 h TWA, 1210 mg/m³ (500 ppm).

UK Occupational exposure limits (WELs)

Butanone: 8 h TWA, 600 mg/m³ (200 ppm); 15 min, 899 mg/m³ (300 ppm) (skin).

Acetone: 8 h TWA, 1210 mg/m³ (500 ppm); 15 min, 3620 mg/m³ (1500 ppm).

Engineering measures

Good general ventilation is required. In industrial settings, local exhaust ventilation may be necessary to keep occupational exposure below permitted levels.

Personal protective equipment

For professional use, the need for personal protective equipment should be based on a workplace risk assessment for the particular use. Avoid skin contact by wearing chemical resistant gloves (eg neoprene, butyl, or nitrile rubber) and safety goggles (EN 166). Where more extensive contact may occur, wear suitable protective clothing (eg apron, sleeves, boots).

Wear suitable respiratory protective equipment if exposure to vapours is likely. PPE should be to European (EN) standards.

An eye-wash station is recommended for the workplace.

9. Physical and chemical properties

Appearance	Transparent, clear liquid
Odour	Ketone
Boiling point	60 °C (TCC)
Flash point (typical)	-15.6 °C (TCC)
Explosive properties	LEL, 2.6%; UEL, 12.8%
Autoignition temperature	465 °C
Vapour pressure	100 mmHg (20 °C)
Specific gravity	0.9 (water = 1)
Solubility: in water	Negligible
Solubility: in solvents	No data available
Viscosity	No data available

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Partition coefficient	No data available
Vapour density	2.5 (air = 1)
Evaporation rate	5.0 (n-butyl acetate = 1)

10. Stability and reactivity

Stable under recommended storage and handling conditions. No hazardous polymerization.

Conditions to avoid Avoid sources of ignition (eg spark, heat, flame).

Materials to avoid Strong acids and oxidising agents.

Hazardous decomposition products
None known.

11. Toxicological information

The preparation has not been tested for toxicological effects, but it is classified on the basis of the known hazards of the components.

Acute toxicity Inhalation of vapour may cause headache, nausea, dizziness, vomiting and malaise. The main components are not classified for acute effects via oral, dermal or inhalation routes.

Corrosivity/irritation The product is irritating to eye. High concentrations of vapour may irritate the respiratory tract. Prolonged or repeated skin contact may cause skin dryness or cracking.

Sensitisation No ingredient has been identified as having sensitising properties.

Repeated-dose toxicity No component is classified for these effects.

Carcinogenicity/Mutagenicity/Reproductive toxicity
No component is classified for these effects.

12. Ecological information

Ecotoxicological data have not been determined specifically for this product.

Mobility The product is water-insoluble, and contains volatile components.

Persistence/degradability No information available.

Bioaccumulation No information available.

Toxicity No information available.

13. Disposal considerations

Incineration is the recommended method of disposal. This product should not be disposed of via the drains or by landfill. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. We

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recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste.

General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC).

Packaging may contain residues of the product and should be treated accordingly.

14. Transport information

UN No.	: 1133
Proper Shipping Name	: ADHESIVES
Marine Pollutant	: No
Class	: 3
Label(s)	: 3
Classification Code	: F1
Packing Group	: II
Packing Instruction	: P001

15. Regulatory information

Classification and labelling according to EC Directives

Classification F; R11 - Xi; R36 - R66 - R67

Labelling

Symbol and indication of danger



Highly flammable



Irritant

Risk phrases	R11, highly flammable R36, irritating to eyes; R66, repeated exposure may cause skin dryness or cracking R67, vapours may cause drowsiness and dizziness
Safety phrases	S2, keep out of the reach of children S23, do not breathe vapour S26, in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Contains	Butanone, acetone

UK legislation:

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716) (CHIP4).

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Control of Substances Hazardous to Health Regulations 1999 SI 1999/437.

Health and Safety at Work Act 1974 c 37.

Environmental Protection Act 1990 c 43.

Special Waste Regulations 1996 SI 1996/972.

EU legislation:

Dangerous Substances Directive (67/548/EEC).

Dangerous Preparations Directive (99/45/EC).

Regulation (EC) No 1272/2008 on *Classification, Labelling and Packaging of Substances and Mixtures*.

REACH Regulation (1907/2006).

Chemical Agents Directive (98/24/EC).

Personal Protective Equipment (EC Directive) Regulations SI 1992/3139.

Guidance:

COSHH Essentials: Easy steps to chemical control.

Occupational Exposure Limits EH40.

16. Other information

Revisions: None

Risk phrase explanations: R11, highly flammable; R36, irritating to eyes; R66, repeated exposure may cause skin dryness or cracking; R67, vapours may cause drowsiness and dizziness.

References and basis of classification:

Butanone and acetone have classifications given in Regulation (EC) No 1272/2008.

The classification of the product has been assessed according to the threshold limits in Regulation (EC) No 1272/2008, and generic threshold concentrations given in 99/45/EC. The classification as highly flammable is given on the basis of the flashpoint.

A US MSDS for the product was provided by the supplier.