

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS




Printing date 09.10.2015

Revision: 09.10.2015

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **1.1 Product identifier**
- **Trade name:** G-S Hypo Cement
- **Article number:** No other identifiers
- **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 mixture** Adhesives
- **Uses advised against** Contact manufacturer.
- **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.
+1 (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Eye Irritation 2B H320 Causes eye irritation.
-  flame
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
-  environment
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
- 
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- **Additional information:**
There are no other hazards not otherwise classified that have been identified.
0 % of the mixture consists of component(s) of unknown toxicity.

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- **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 GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

xylenes
heptane

- **Hazard statements**

The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation: 320.

H320 Causes eye irritation.

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

- **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, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing fume.

P264 Wash thoroughly after handling.

P233 Keep container tightly closed.

P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

- **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 3

Reactivity = 0

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



HEALTH 1 Health = 1

FIRE 3 Fire = 3

REACTIVITY 0 Reactivity = 0

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25-50%
CAS: 142-82-5 EINECS: 205-563-8 Index number: 601-008-00-2	heptane  Flam. Liq. 2, H225  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; STOT SE 3, H336	25-50%

- **Additional information:**

For the wording of the listed Hazard Statements refer to section 16.
For the listed ingredient(s), the identity and exact percentages are being withheld as a trade secret.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Take affected persons out into the fresh air.
In case of irregular breathing or respiratory arrest provide artificial respiration.
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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact:**
Do not pull solidified product off the skin.
Clean with water and soap.
- **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.

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- **4.2 Most important symptoms and effects, both acute and delayed**
 - Headache
 - Coughing
 - Dizziness
 - Breathing difficulty
 - Disorientation
- **Hazards**
 - Danger of impaired breathing.
 - Danger of cerebral 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.
 - If swallowed or in case of vomiting, danger of entering the lungs.
 - 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.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, 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 fog or haze.

SECTION 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.

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Dispose contaminated material as waste according to section 13.

Clean the affected area carefully; suitable cleaners are:

Organic solvent

· **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.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Use only in well ventilated areas.

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.

Emergency cooling must be available in case of nearby fire.

· **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 oxidising agents.

· **Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

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

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

1330-20-7 xylene

IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin
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PEL (USA)	435 mg/m ³ , 100 ppm
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REL (USA)	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm
EV (Canada)	Short-term value: 650 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
142-82-5 heptane	
IOELV (EU)	2085 mg/m ³ , 500 ppm
PEL (USA)	2000 mg/m ³ , 500 ppm
REL (USA)	Short-term value: C 1800* mg/m ³ , C 440* ppm Long-term value: 350 mg/m ³ , 85 ppm *15-min
TLV (USA)	Short-term value: 2050 mg/m ³ , 500 ppm Long-term value: 1640 mg/m ³ , 400 ppm
EL (Canada)	Short-term value: 500 ppm Long-term value: 400 ppm
EV (Canada)	Short-term value: 2,045 mg/m ³ , 500 ppm Long-term value: 1,635 mg/m ³ , 400 ppm

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **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.
 - Do not inhale gases / fumes / aerosols.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:**
 - Not necessary if room is well-ventilated.
 - Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **For the permanent contact gloves made of the following materials are suitable:**
 - Nitrile rubber, NBR
 - Butyl rubber, BR

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- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
Natural rubber, NR
- **Not suitable are gloves made of the following materials:** PVA 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 further relevant information available.
- **Risk management measures**
See Section 7 for additional information.
No further relevant information available.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Liquid
· Colour:	Transparent
· Odour:	Aromatic
· Odour threshold:	Not determined.
· pH-value:	Not determined.

· Change in condition

· Melting point/Melting range:	Not Determined.
· Boiling point/Boiling range:	98 °C (208 °F)

· **Flash point:** 11 °C (52 °F)

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

· **Auto/Self-ignition temperature:** 215 °C (419 °F)

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

· Lower:	1,1 Vol %
· Upper:	6,7 Vol %

· **Oxidising properties** Non-oxidising.

· **Vapour pressure at 20 °C (68 °F):** 48 hPa (36 mm Hg)

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- **Density at 20 °C (68 °F):** 1,01 g/cm³ (8,428 lbs/gal)
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic at 40 °C (104 °F):** >21 mm²/sec
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

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- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation** Causes eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
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):**
May cause drowsiness or dizziness.
Irritating to eyes, respiratory system and skin.
- **Repeated dose toxicity:** From product as supplied: None.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** The material is harmful to the environment.
- **12.2 Persistence and degradability** The product is partially biodegradable. Significant residuals remain.
- **12.3 Bioaccumulative potential**
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
The material is harmful to the environment.
This statement was deduced from the properties of the single components.
Avoid transfer into the environment.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 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

SECTION 14: Transport information

14.1 UN-Number

- DOT, ADR, IMDG
- IATA

UN1133

UN1133

Product may be shipped as an IATA limited quantity as a Class 9 ID8000 Consumer Commodity; consult with shipper for more information.

14.2 UN proper shipping name

- DOT, IATA
- ADR

ADHESIVES

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

ADHESIVES, MARINE POLLUTANT

IMDG

14.3 Transport hazard class(es)

- DOT



- Class
- Label

3 Flammable liquids.

3

- ADR



- Class
- Label

3 (F1) Flammable liquids.

3

- IMDG



- Class

3 Flammable liquids.

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<ul style="list-style-type: none"> · Label 	3
<hr style="border-top: 1px dashed black;"/>	
<ul style="list-style-type: none"> · IATA 	
	
<ul style="list-style-type: none"> · Class · Label · 14.4 Packing group · DOT, ADR, IMDG, IATA · 14.5 Environmental hazards: · Marine pollutant: 	<ul style="list-style-type: none"> 3 Flammable liquids. 3 II Yes Symbol (fish and tree) Warning: Flammable liquids. 33 F-E,S-D Not applicable.
<ul style="list-style-type: none"> · Special marking (ADR): · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code · Transport/Additional information: 	<ul style="list-style-type: none"> Symbol (fish and tree) Warning: Flammable liquids. 33 F-E,S-D Not applicable. Product may be shipped as an IATA limited or excepted quantity as a Class 9 ID8000 Consumer Commodity; consult with shipper for more information.
<hr style="border-top: 1px dashed black;"/>	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) 	<ul style="list-style-type: none"> 5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<hr style="border-top: 1px dashed black;"/>	
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<ul style="list-style-type: none"> 5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · UN "Model Regulation": 	<ul style="list-style-type: none"> UN1133, ADHESIVES, ENVIRONMENTALLY HAZARDOUS, 3, II

SECTION 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 are listed.

· Section 313 (Specific toxic chemical listings):

1330-20-7 | xylenes

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· TSCA (Toxic Substances Control Act):		
All ingredients are listed.		
· Proposition 65 (California):		
· Chemicals known to cause cancer:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients are listed.		
· Chemicals known to cause developmental toxicity:		
None of the ingredients are listed.		
· Carcinogenic Categories		
· EPA (Environmental Protection Agency)		
1330-20-7	xylene	D
142-82-5	heptane	D
· IARC (International Agency for Research on Cancer)		
1330-20-7	xylene	3
· TLV (Threshold Limit Value established by ACGIH)		
1330-20-7	xylene	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients are listed.		
· Canada		
· Canadian Domestic Substances List (DSL)		
All ingredients are listed.		
· Canadian Ingredient Disclosure list (limit 0.1%)		
None of the ingredients are listed.		
· Canadian Ingredient Disclosure list (limit 1%)		
142-82-5	heptane	
· Directive 2012/18/EU		
· Named dangerous substances - ANNEX I		
None of the ingredients are listed.		
· Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t		
· Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t		
· Other regulations, limitations and prohibitive regulations		
· Substances of very high concern (SVHC) according to REACH, Article 57		
None of the ingredients are listed.		

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

· Abbreviations and acronyms:

- Flam. Liq. 2: Flammable liquids, Hazard Category 2
- Flam. Liq. 3: Flammable liquids, Hazard Category 3
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

· Sources

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