

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous

Products Regulation (February 11, 2015).

Revision Date: 11/28/2023 Date of Issue: 12/14/2021 Supersedes Date: 12/14/2021 Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: G-S Hypo Cement

1.2. Intended Use of the Product

Adhesives

1.3. Name, Address, and Telephone of the Responsible Party

Company

G-S Supplies Inc.

1150 University Avenue, Suite 5 Rochester, NY 14607 USA Tel +1 (585) 241-2370

info@gssupplies.coml

1.4. Emergency Telephone Number

Emergency Number: VelocityEHS

(800)255-3924 (North America) +1 (813)248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Flammable liquids Category 2	H225
Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 2A	H319
Carcinogenicity Category 2	H351
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Single exposure, Category 3, Respiratory	H335
tract irritation	
Specific target organ toxicity (repeated exposure) Category 2	H373
Hazardous to the aquatic environment – Acute Hazard Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard Category 1	H410

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)









Signal Word (GHS-US/CA)

Hazard Statements (GHS-US/CA)

: Danger

: H225 - Highly flammable liquid and vapor.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness.

H351 - Suspected of causing cancer.

H373 - May cause damage to organs (hearing organs) through prolonged or repeated

exposure.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA): P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, and lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take action to prevent static discharges.

P260 - Do not breathe vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

 $P303+P361+P353-IF\ ON\ SKIN\ (or\ hair):\ Take\ off\ immediately\ all\ contaminated\ clothing.$ Rinse skin with water .

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

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

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

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.

P391 - Collect spillage.

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

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product	% *	GHS Ingredient
		Identifier		Classification
n-Heptane	Heptane, n- / HEPTANE / Normal heptane / Heptane / Heptane (n-)	(CAS-No.)	30 – 60	Flam. Liq. 2, H225
		142-82-5		Skin Irrit. 2, H315
				STOT SE 3, H336
				Asp. Tox. 1, H304
				Aquatic Acute 1, H400
				Aquatic Chronic 1, H410
m-Xylene	Benzene, 1,3-dimethyl- / m-Dimethylbenzene / 1,3-Xylene / Xylene, m- /	(CAS-No.)	10 – 30	Flam. Liq. 3, H226
	Xylene, m-isomer / Benzene, m-dimethyl- / Xylene, meta- / 3-Xylene / 1,3-	108-38-3		Acute Tox. 4 (Dermal), H312
	Dimethylbenzene / meta-Xylene / m-Xylol / Xylene			Acute Tox. 4
				(Inhalation:vapor), H332
				Skin Irrit. 2, H315
				Eye Irrit. 2, H319
				STOT SE 3, H335
				Asp. Tox. 1, H304
				Aquatic Acute 2, H401
				Aquatic Chronic 3, H412

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p-Xylene	Benzene, 1,4-dimethyl- / 1,4-Dimethylbenzene / p-Dimethylbenzene / 1,4- Xylene / Xylene, p- / Xylene, p-isomer / Benzene, p-dimethyl- / Xylene, para- / 4-Xylene / para-Xylene / p-Xylol / Xylene Xylene, o-isomer / Xylene, ortho- / 1,2-Xylene / 2-Xylene / Benzene, o-	(CAS No.)	3-7	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapor), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
o-Xylene	Xylene, o-isomer / Xylene, ortho- / 1,2-Xylene / 2-Xylene / Benzene, o-dimethyl- / o-Dimethylbenzene / Benzene, 1,2-dimethyl- / 1,2-Dimethylbenzene / Xylene (o-) / Xylene, o- / o-Xylol / Xylene / ortho-Xylene	(CAS-No.) 95-47-6	3-7	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapor), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Ethylbenzene	ETHYLBENZENE / Ethyl benzene / Benzene, ethyl- / Phenylethane	(CAS-No.) 100-41-4	3-7	Flam. Liq. 2, H225 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

^{*} The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200. Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%). Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.

Skin Contact: Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Wash with plenty of soap and water. If exposed or concerned: Get medical advice/attention.

Eye Contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: May cause respiratory irritation. May cause drowsiness and dizziness. May cause damage to organs (hearing organs) through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

Inhalation: Irritation of the respiratory tract and the other mucous membranes. High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause damage to organs (hearing organs) through prolonged or repeated exposure. Suspected of causing cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

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SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Smoke.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Eliminate ignition sources first, then ventilate the area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb liquid components with non-combustible liquid-binding material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe fume, mist, spray, vapors.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

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Storage Conditions: Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Adhesives

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

m-Xylene (108-38-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids -
		Medium: urine - Sampling time: end of shift
USA NIOSH	NIOSH REL (TWA)	435 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	655 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	900 ppm
Alberta	OEL STEL	651 mg/m³
Alberta	OEL STEL [ppm]	150 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL STEL [ppm]	150 ppm
British Columbia	OEL TWA [ppm]	100 ppm
Manitoba	OEL STEL [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	100 ppm
New Brunswick	OEL STEL	651 mg/m ³
New Brunswick	OEL STEL [ppm]	150 ppm
New Brunswick	OEL TWA	434 mg/m³
New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm
Nova Scotia	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nunavut	OEL STEL [ppm]	150 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	150 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL STEL [ppm]	150 ppm
Ontario	OEL TWA [ppm]	100 ppm
Prince Edward Island	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Québec	VECD (OEL STEL)	651 mg/m³
Québec	VECD (OEL STEL) [ppm]	150 ppm
Québec	VEMP (OEL TWA)	434 mg/m³
Québec	VEMP (OEL TWA) [ppm]	100 ppm
Saskatchewan	OEL STEL [ppm]	150 ppm

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Saskatchewan	OEL TWA [ppm]	100 ppm
p-Xylene (106-42-3)		<u> </u>
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids -
		Medium: urine - Sampling time: end of shift
USA NIOSH	NIOSH REL (TWA)	435 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	655 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	900 ppm
Alberta	OEL STEL	651 mg/m³
Alberta	OEL STEL [ppm]	150 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL STEL [ppm]	150 ppm
British Columbia	OEL TWA [ppm]	100 ppm
Manitoba	OEL STEL [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	100 ppm
New Brunswick	OEL STEL	651 mg/m ³
New Brunswick	OEL STEL [ppm]	150 ppm
New Brunswick	OEL TWA	434 mg/m³
New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm
Nova Scotia	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nunavut	OEL STEL [ppm]	150 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	150 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL STEL [ppm]	150 ppm
Ontario	OEL TWA [ppm]	100 ppm
Prince Edward Island	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Québec	VECD (OEL STEL)	651 mg/m ³
Québec	VECD (OEL STEL) [ppm]	150 ppm
Québec	VEMP (OEL TWA)	434 mg/m³
Québec	VEMP (OEL TWA) [ppm]	100 ppm
Saskatchewan	OEL STEL [ppm]	150 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Ethylbenzene (100-41-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to
		Humans
USA ACGIH	BEI (BLV)	0.15 g/g Kreatinin Parameter: Sum of mandelic acid and
		phenylglyoxylic acid - Medium: urine - Sampling time: end
		of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	435 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm

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USA NIOSH	NIOSH REL (TWA)	435 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	545 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	125 ppm
USA IDLH	IDLH [ppm]	800 ppm (10% LEL)
Alberta	OEL STEL	543 mg/m³
Alberta	OEL STEL [ppm]	125 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL TWA [ppm]	20 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL STEL	543 mg/m ³
New Brunswick	OEL STEL [ppm]	125 ppm
New Brunswick	OEL TWA	434 mg/m³
New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	125 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	125 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	VEMP (OEL TWA) [ppm]	20 ppm
Saskatchewan	OEL STEL [ppm]	125 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Yukon	OEL STEL	545 mg/m ³
Yukon	OEL STEL [ppm]	125 ppm
Yukon	OEL TWA	435 mg/m ³
Yukon	OEL TWA [ppm]	100 ppm
o-Xylene (95-47-6)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids -
		Medium: urine - Sampling time: end of shift
USA NIOSH	NIOSH REL (TWA)	435 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	655 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	900 ppm
Alberta	OEL STEL	651 mg/m³
Alberta	OEL STEL [ppm]	150 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL STEL [ppm]	150 ppm
British Columbia	OEL TWA [ppm]	100 ppm
Manitoba	OEL STEL [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	100 ppm
New Brunswick	OEL STEL	651 mg/m³
New Brunswick	OEL STEL [ppm]	150 ppm
New Brunswick	OEL TWA	434 mg/m³

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New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm
Nova Scotia	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nunavut	OEL STEL [ppm]	150 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	150 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL STEL [ppm]	150 ppm
Ontario	OEL TWA [ppm]	100 ppm
Prince Edward Island	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Québec	VECD (OEL STEL)	651 mg/m³
Québec	VECD (OEL STEL) [ppm]	150 ppm
Québec	VEMP (OEL TWA)	434 mg/m³
Québec	VEMP (OEL TWA) [ppm]	100 ppm
Saskatchewan	OEL STEL [ppm]	150 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
n-Heptane (142-82-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	400 ppm (Heptane, all isomers)
USA ACGIH	ACGIH OEL STEL [ppm]	500 ppm (Heptane, all isomers)
USA OSHA	OSHA PEL (TWA) [1]	2000 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	500 ppm
USA NIOSH	NIOSH REL (TWA)	350 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	85 ppm
USA NIOSH	NIOSH REL (Ceiling)	1800 mg/m³
USA NIOSH	NIOSH REL C [ppm]	440 ppm
USA IDLH	IDLH [ppm]	750 ppm
Alberta	OEL STEL	2050 mg/m³
Alberta	OEL STEL [ppm]	500 ppm
Alberta	OEL TWA	1640 mg/m ³
Alberta	OEL TWA [ppm]	400 ppm
British Columbia	OEL STEL [ppm]	500 ppm (Heptane, isomers)
British Columbia	OEL TWA [ppm]	400 ppm (Heptane, isomers)
Manitoba	OEL STEL [ppm]	500 ppm (Heptane, all isomers)
Manitoba	OEL TWA [ppm]	400 ppm (Heptane, all isomers)
New Brunswick	OEL STEL	2050 mg/m ³
New Brunswick	OEL STEL [ppm]	500 ppm
New Brunswick	OEL TWA	1640 mg/m³
New Brunswick	OEL TWA [ppm]	400 ppm
Newfoundland & Labrador	OEL STEL [ppm]	500 ppm (Heptane, all isomers)
Newfoundland & Labrador	OEL TWA [ppm]	400 ppm (Heptane, all isomers)
Nova Scotia	OEL STEL [ppm]	500 ppm (Heptane, all isomers)
Nova Scotia	OEL TWA [ppm]	400 ppm (Heptane, all isomers)
Nunavut	OEL STEL [ppm]	500 ppm
Nunavut	OEL TWA [ppm]	400 ppm
Northwest Territories	OEL STEL [ppm]	500 ppm
Northwest Territories	OEL TWA [ppm]	400 ppm
Ontario	OEL STEL [ppm]	500 ppm (Heptane, all isomers)
Ontario	OEL TWA [ppm]	400 ppm
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Prince Edward Island	OEL STEL [ppm]	500 ppm (Heptane, all isomers)
Prince Edward Island	OEL TWA [ppm]	400 ppm (Heptane, all isomers)
Québec	VECD (OEL STEL) [ppm]	500 ppm (Heptane (all isomers))
Québec	VEMP (OEL TWA) [ppm]	400 ppm (Heptane (all isomers))
Saskatchewan	OEL STEL [ppm]	500 ppm
Saskatchewan	OEL TWA [ppm]	400 ppm
Yukon	OEL STEL	2000 mg/m ³
Yukon	OEL STEL [ppm]	500 ppm
Yukon	OEL TWA	1600 mg/m³
Yukon	OEL TWA [ppm]	400 ppm

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.









Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical goggles or safety glasses. **Skin and Body Protection:** Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Thermal Hazard Protection: Wear Flame-Resistant Clothing (FRCs). **Environmental Exposure Controls:** Avoid release to the environment.

Consumer Exposure Controls: Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : Transparent liquid

Odor : Aromatic

Odor Threshold : No data available pH : No data available

Evaporation Rate : 5.8 [n-Butyl acetate = 1.0]

Melting Point: No data availableFreezing Point: No data availableBoiling Point: 90 - 100 °C (194 - 212 °F)

Flash Point : $-7 \,^{\circ}\text{C} \, (19 \,^{\circ}\text{F})$

Auto-ignition Temperature : 246 - 260 °C (475 - 500 °F)

Decomposition Temperature : No data available **Flammability (solid, gas)** : Not applicable

Vapor Pressure : 60 - 77 hPa [at 20 °C / 68 °F]

Relative Vapor Density at 20°C : No data available

Relative Density : 0.70 - 0.71 [at 20 °C / 68 °F]

Specific Gravity : No data available
Solubility : No data available

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Partition Coefficient: N-Octanol/Water: No data availableViscosity: No data availableViscosity, Kinematic: > 21 mm²/s

VOC content : Passes CARB Method 310 testing; PFAS-free.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Reacts violently with strong oxidizers. Increased risk of fire or explosion.

10.2. Chemical Stability:

Highly flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Likely routes of exposure: Dermal. Eye contact. Ingestion. Inhalation.

Acute Toxicity (Oral): Not classified (Based on available data, the classification criteria are not met)

Acute Toxicity (Dermal): Not classified (Based on available data, the classification criteria are not met)

Acute Toxicity (Inhalation): Not classified (Based on available data, the classification criteria are not met)

LD50 and LC50 Data:

No additional information available

Skin Corrosion/Irritation: Causes skin irritation. **Eye Damage/Irritation:** Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified (Based on available data, the classification criteria are not met)

Germ Cell Mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Suspected of causing cancer.

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs (hearing organs) through prolonged or repeated exposure.

Reproductive Toxicity: Not classified (Based on available data, the classification criteria are not met)

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness. May cause respiratory irritation.

Aspiration Hazard: Not classified. (Based on available data, the classification criteria are not met)

Symptoms/Injuries After Inhalation: Irritation of the respiratory tract and the other mucous membranes. High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause damage to organs (hearing organs) through prolonged or repeated exposure. Suspected of causing cancer.

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

m-Xylene (108-38-3)	
LD50 Oral Rat	5 g/kg
LD50 Dermal Rabbit	12.1 g/kg
LC50 Inhalation Rat	27124 mg/m³ (Exposure time: 4 h)
LC50 Inhalation Rat	31.82 mg/l/4h
ATE US/CA (dermal)	1,100.00 mg/kg body weight

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	d Regulations And According To The Hazardous Products Regulation (February 11, 2015).
ATE US/CA (vapors)	11.00 mg/l/4h
p-Xylene (106-42-3)	
LD50 Oral Rat	4029 mg/kg
LD50 Dermal Rabbit	12126 mg/kg
LC50 Inhalation Rat	4740 ppm/4h
ATE US/CA (dermal)	1,100.00 mg/kg body weight
ATE US/CA (vapors)	11.00 mg/l/4h
Ethylbenzene (100-41-4)	
LD50 Oral Rat	3500 mg/kg
LD50 Dermal Rabbit	15400 mg/kg
LC50 Inhalation Rat	17.2 mg/l/4h (Exposure time: 4 h)
o-Xylene (95-47-6)	
LD50 Oral Rat	3608 mg/kg
LD50 Dermal Rabbit	14100 mg/kg
LC50 Inhalation Rat	21.3 mg/l/4h
LC50 Inhalation Rat	4330 ppm (Exposure time: 6 h)
ATE US/CA (dermal)	1,100.00 mg/kg body weight
ATE US/CA (vapors)	11.00 mg/l/4h
n-Heptane (142-82-5)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	3000 mg/kg
LC50 Inhalation Rat	> 73.5 mg/l/4h
m-Xylene (108-38-3)	
IARC Group	3
p-Xylene (106-42-3)	
IARC Group	3
Ethylbenzene (100-41-4)	
IARC Group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
o-Xylene (95-47-6)	
IARC Group	3
CECTION 43 FOOL OCION INFORMATION	

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

m-Xylene (108-38-3)	
LC50 Fish 1	14.3 – 18 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	2.81 – 5 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	8.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
NOEC Chronic Crustacea	1.57 mg/l
p-Xylene (106-42-3)	
LC50 Fish 1	7.2 – 9.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	3.55 – 6.31 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	2.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
NOEC Chronic Crustacea	1.17 mg/l
Ethylbenzene (100-41-4)	
LC50 Fish 1	11 – 18 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
NOEC Chronic Crustacea	0.956 mg/l

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o-Xylene (95-47-6)	
LC50 Fish 1	11.6 – 22.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	2.61 – 5.59 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
NOEC Chronic Crustacea	1.17 mg/l
n-Heptane (142-82-5)	
LC50 Fish 1	375 mg/l (Exposure time: 96 h - Species: Cichlid fish)
EC50 - Crustacea [1]	0.1 mg/l

12.2. Persistence and Degradability

	•
G-S Hypo Cement	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

G-S Hypo Cement			
Bioaccumulative Potential	Not established.		
m-Xylene (108-38-3)			
Partition coefficient n-octanol/water	3.2 (at 20 °C (at pH 7)		
(Log Pow)			
p-Xylene (106-42-3)	p-Xylene (106-42-3)		
BCF Fish 1	(2,2 dimensionless)		
Partition coefficient n-octanol/water	3.2 (at 20 °C (at pH 7)		
(Log Pow)			
Ethylbenzene (100-41-4)			
BCF Fish 1	(15 dimensionless)		
Partition coefficient n-octanol/water	3.6 (at 20 °C (at pH 7.84)		
(Log Pow)			
o-Xylene (95-47-6)			
BCF Fish 1	(21,4 dimensionless - xylene from crude oil)		
Partition coefficient n-octanol/water	3.12 (at 20 °C (at pH 7)		
(Log Pow)			
n-Heptane (142-82-5)			
Partition coefficient n-octanol/water	4.66		
(Log Pow)			

12.4. Mobility in Soil

G-S Hypo Cement	
Ecology - Soil	Adsorbs into the soil.

12.5. Other Adverse Effects

Other Adverse Effects: None known.

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Treatment Methods: Incineration is the preferred method for disposal of waste product.

Sewage Disposal Recommendations: Do not dispose of waste into sewer.

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

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14.1. In Accordance with DOT

THIS PACKAGE CONFORMS TO 49 CFR 173.4 FOR DOMESTIC HIGHWAY OR RAIL TRANSPORT ONLY.

Proper Shipping Name : ADHESIVES

Hazard Class : 3

Identification Number : UN1133

Label Codes : 3
Packing Group : ||

Marine Pollutant : Marine pollutant

ERG Number : 128 14.2. In Accordance with IMDG

Proper Shipping Name : ADHESIVES

Hazard Class : 3

Identification Number : UN1133

Label Codes: 3Packing Group: IIEmS-No. (Fire): F-EEmS-No. (Spillage): S-D

Marine pollutant : Marine pollutant

14.3. In Accordance with IATA

Proper Shipping Name : ADHESIVES

Hazard Class : 3
Identification Number : UN1133
Label Codes : 3

Packing Group : II
ERG Code (IATA) : 3L

14.4. In Accordance with TDG

Proper Shipping Name : ADHESIVES

Hazard Class : 3
Identification Number : UN1133
Label Codes : 3

Marine Pollutant (TDG) : Marine pollutant

Transport/Additional information:

Packing Group

Excepted Quantities (EQ)

: 11

EQ Code: E2

Maximum net quantity per inner packaging: 30 mL Maximum net quantity per outer packaging: 500 mL

DOT



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L.

Labeling as a Marine Pollutant is only required for bulk single package shipments. Bulk packaging consists of a maximum capacity of greater than 450 L (119 gallons) for a liquid and a maximum net mass greater than 400 kg (882 pounds) for a solid. (See 171.4(c))

ADR/RID/ADN



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L. Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 5.2.1.8.1)









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IMDG



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L. Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7)

IATA



Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Skin corrosion or Irritation Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation Health hazard - Carcinogenicity
ct) inventory - Status: Active
ion 313
1000 lb
1%
ct) inventory - Status: Active
ion 313
100 lb
1 %
ct) inventory - Status: Active
ion 313
1000 lb
0.1 %
ct) inventory - Status: Active
ion 313
1000 lb
1%
ct) inventory - Status: Active

15.2. US State Regulations

California Proposition 65



WARNING: This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Ethylbenzene (100-41-4)	X			

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m-Xylene (108-38-3)

- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Massachusetts Right To Know List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List

p-Xylene (106-42-3)

- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Massachusetts Right To Know List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List

Ethylbenzene (100-41-4)

- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Massachusetts Right To Know List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List

o-Xylene (95-47-6)

- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Massachusetts Right To Know List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List

n-Heptane (142-82-5)

- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Massachusetts Right To Know List

15.3. Canadian Regulations

m-Xylene (108-38-3)

Listed on the Canadian DSL (Domestic Substances List)

p-Xylene (106-42-3)

Listed on the Canadian DSL (Domestic Substances List)

Ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

o-Xylene (95-47-6)

Listed on the Canadian DSL (Domestic Substances List)

n-Heptane (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest

: 11/28/2023

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products

Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation

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H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US)

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