

G-S SUPPLIES, INC.

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USA

PRECISION APPLICATOR ADHESIVES
WINDOWS FOR GAUGES AND INSTRUMENTS
G-S WATCH CRYSTALS AND FITTING MACHINES

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Quality Products Since 1916

MATERIAL SAFETY DATA SHEET G-S Hypo Paper Cement

G-S Supplies Inc.
1150 University Avenue
Suite 5
Rochester, NY 14607
USA

Emergency Telephone:
International Line:
(Available 24 hours a day)

800-255-3924 CHEM TEL
813-248-0585 CHEM TEL

Conforms to ASTM D4236

Section 1 - Chemical Product

Product/Chemical Name: G-S Hypo Paper Cement
General Use: Adhesive, Acid-free, Lignin-free

Section 2 - Composition / Information on Ingredients

| Ingredient Name | CAS Number | %wt or %vol |
|-----------------|------------|-------------|
| CycleHexane | 110-82-7 | >50% |

Section 3 - Hazards Identification

Emergency Overview

| |
|-------------|
| HMIS |
| H 2 |
| F 3 |
| R 0 |

Potential Health Effects

Primary Entry Routes: Nose, skin, mouth

Target Organs: Kidney, heart, and central nervous system

Acute Effects

Inhalation: May cause irritation, lung inflammation, and/or other lung injury.

Eye: May cause irritation, redness, swelling and/or stinging.

Skin: May cause irritation. Prolonged exposure may cause dry, cracked skin and/or skin burns.

Ingestion: May cause irritation, nausea, vomiting, and/or diarrhea.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Pre-existing disorders of the central nervous system, kidney, respiratory tract, lung, and heart.

Chronic Effects: May cause stomach upset, kidney damage, CNS Depression, cardiac arrhythmia and/or death.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Get medical attention if irritation persists..

Eye Contact: Flush eyes with large amounts of water for 15 minutes or until irritation subsides. Get medical attention.

Skin Contact: Flush exposed areas thoroughly with soap and water until all chemicals are removed. Remove contaminated clothing and laundry before reuse. If irritation persists, get medical attention.

Ingestion: If individual is conscious, give milk or water to dilute stomach contents. **DO NOT INDUCE VOMITING.** This may lead to lung injury. **DO NOT** attempt to give anything by mouth to a drowsy or unconscious person.

Keep warm and quiet. Get prompt medical attention.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

Flash Point: -18 °F (-27.7 °C)

Flash Point Method: TCC

LEL: N/D

UEL: N/D

Extinguishing Media: Foam, CO or dry chemical.

Unusual Fire or Explosion Hazards: Vapors may travel to other areas. Empty containers still contain vapors. Do not weld on or near.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive pressure-pressure mode.

Section 6 - Accidental Release Measures

Spill /Leak Procedures:

Small Spills: Eliminate all sources of ignition. Absorb with sand or absorbent material.

Large Spills Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Wear appropriate protective equipment when handling material.

Storage Requirements: Store at room temperature away from sparks, heat, open flame. Empty containers retain vapors. G-S Hypo Paper Cement has a shelf life of one year.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air Purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Emergency eyewash stations, safety/quick-drench showers, and washing facilities should be available in work area.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Heavy Liquid

Vapor Pressure: 95 mm Hg at 68 °F

Vapor Density: (Air=1): 3.0

Characteristic Odor: Faint ether-like odor.

Solubility: Insoluble in water

Specific Gravity: 0.78@20C/4C

Boiling Point: >178 °F (81°C)

Freezing/Melting Point: N/D

Melting Point: 7C (45F)

Evaporation Rate(BuAc=1): 2.6 (Ether = 1)

Section 10 - Stability and Reactivity

Stability: Product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong oxidizing agents.

Conditions to Avoid: Heat, open flame, and other sources of ignition.

Hazardous Decomposition Products: Thermal oxidative decomposition of product can produce oxides of carbon and various hydrocarbons.

Section 11- Toxicological Information

Oral rat LD50 12,705 mg/kg. Investigated as a mutagen.

-----\Cancer Lists\-----

-----NTP Carcinogens-----

Ingredient

Known

Anticipated

IARC Category

Cyclohexane (110-82-7)

No

No

None

Section 12 - Ecological Information

Environmental Fate: When released into the soil, this material may biodegrade to a moderate extent. When released into soil, this material is expected to leach into groundwater, When released into the soil, this material is expected to quickly evaporate. This material has a log octanol-water partition coefficient of greater than 3.0. This material may bioaccumulate to some extent. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.

Environmental Toxicity:

This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 – Transportation Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Adhesive

Shipping Symbols: ORM-D

Section 15 - Regulatory Information

EPA Regulations:

CERCLA Hazardous Substance (40 CFR 302.4) listed specific per RCRA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity

SARA 311/312 Codes: Immediate Delayed Fire

SARA Toxic Chemical (40 CFR 372.65):

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

Section 16 - Other Information

California Proposition 65: This product contains NO substance known to the state of California to cause reproductive harm.

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