



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: H.M. Gloss Restorer Kit - Part A
Product Number: C400-1520
Intended Use: Epoxy Resin

COMPANY IDENTIFICATION

Supplier: Chance Company
210 North Allen Street
Centralia, Missouri U.S.A.
Phone Number: (573) 682-8465
24 Hour Emergency (INFOTRAC): (800) 535-5053 (*US and Canada*)
(352) 323-3500 (*International*)

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION

Health	Environmental	Physical
No Classifiable Hazards	No Classifiable Hazards	Flammable Liquid – Category 3

LABELLING

Symbols:



Signal Word: WARNING

Hazard Statements

- H302: Harmful If Swallowed
- H315: Causes Skin Irritation
- H350: May Cause Cancer
- H320: Causes Eye Irritation
- May Cause Teratogenicity And Embryotoxicity
- Harmful: May Cause Lung Damage If Swallowed
- May Cause Skin Sensitization

Precautionary Statements

Not Applicable

Potential Health Effects: See Section 11 for more information

Potential Environmental Effects: See Section 12 for more information

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURES.

Name	CAS#	Wt. Percentage*	Comments
Light aromatic solvent naphtha (petroleum)	64742-95-6	7 - 13	NIL



Ethylene glycol monobutyl ether	111-76-2	10 - 30	NIL
Xylene	1330-20-7	10 - 30	NIL
Ethylbenzene	100-41-4	1 - 5	NIL
1,2,4-Trimethylbenzene	95-63-6	5 - 10	NIL
Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids	25036-25-3	30 - 60	NIL

* 0-37 % material composition inclusive of inert and non-hazardous filler withheld as trade secret in accordance with paragraph 1910.1200(i)(1). Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of distributor and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 4 FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES:

General Information:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible)
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
Ingestion:	DO NOT induce vomiting. If victim is conscious and alert, give 2 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately
Note To Physicians:	Symptoms may not appear immediately

See toxicological information (Section 11)

SECTION 5 FIRE FIGHTING MEASURES

Flammability:	Flammable by WHMIS criteria
EXTINGUISHING MEDIA	
Suitable Extinguishing Media:	Powder, water spray, foam, carbon dioxide
Unsuitable Extinguishing Media:	Not available.
Products of Combustion:	May include, and are not limited to: oxides of carbon
EXPLOSION DATA:	
Sensitivity to Mechanical Impact:	Not available
Sensitivity to Static Discharge:	Not available
Protective Equipment And Precautions For Firefighters:	Containers may explode when heated. Use water spray to keep fire-exposed containers cool. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition
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ENVIRONMENTAL PRECAUTIONS

Environmental Precautions:	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination
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METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods For Containment:	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE)
Methods For Cleaning Up:	Scoop up material and place in a disposal container. Provide ventilation.
Other Information:	Not available

SECTION 7

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on Safe Handling:	Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking
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CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Conditions:	Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool place
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SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

Occupational Exposure Limits

INGREDIENT	ACGIH TLV	OSHA PEL	NIOSH IDLH
Light aromatic solvent naphtha (petroleum)	Not available	Not Available	Not Available
Ethylene glycol monobutyl ether	20 ppm	Not Available	Not Available
Xylene	100 ppm	Not Available	Not Available
Ethylbenzene	20 ppm	Not Available	Not Available
1,2,4-Trimethylbenzene	Not available	Not Available	Not Available
Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids	Not available	Not Available	Not Available

CONTROL PARAMETERS

Appropriate Engineering Controls:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits
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INDIVIDUAL PROTECTION MEASURES

Eye/Face Protection:	Wear eye/face protection
Hand Protection:	Wear suitable gloves
Skin And Body Protection:	Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment
General Hygiene Considerations:	Handle according to established industrial hygiene and safety practices

SECTION 9

PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE

Physical State:	Liquid
Appearance:	Clear
Color:	Not available
Odor:	Hydrocarbon odor
Odor Threshold:	Not available
pH:	Not available
Viscosity:	Not available
Freezing Point:	Not available
Boiling Point:	~ 58 - 179 °C (~ 136 - 355 °F)
Flash Point:	~ 27 °C (~ 80.6 °F) [Setaflash Closed Cup]

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Evaporation Rate:	< 1 (Ether = 1)
Lower Flammability Limit:	Not available
Upper Flammability Limit:	Not available
Vapor Pressure:	Not available
Vapor Density:	> 1 (Air = 1)
Specific Gravity:	Not available
Solubility in Water:	Not available
Coefficient of Water/Oil Distribution:	Not available
Auto-ignition Temperature:	Not available
Percent Volatile, wt. %:	60%
Percent Volatile, vol. %:	66%
VOC content, wt. %:	Not available

SECTION 10 STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions. Keep in a cool place
Conditions of Reactivity:	Heat. Incompatible materials
Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	May include, and are not limited to: oxides of carbon
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

Inhalation:	May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.
Eye Contact:	Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling
Skin Contact:	May be harmful in contact with skin. Irritating to skin. May cause sensitization by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin
Ingestion:	Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

Component Information:

Ingredients	LC ₅₀	LD ₅₀ (Oral)	LD ₅₀ (Dermal)	Chemical Listed as Carcinogen or Potential Carcinogen *
Light aromatic solvent naphtha (petroleum)	> 5.2mg/L 4hr, Rat; 3400 ppm 4hr, Rat	8400 mg/kg, Rat	Not Available	Not listed.
Ethylene glycol monobutyl ether	450 ppm 4hr, Rat 5000 ppm 4hr, Rat;	470 mg/kg, Rat	Not Available	G-A3, I-3
Xylene	47635 mg/L 4hr, Rat	4300 mg/kg, Rat	Not Available	G-A4, I-3
Ethylbenzene	17.2 mg/L 4hr, Rat	3500 mg/kg, Rat	Not Available	G-A3, I-2B
1,2,4-Trimethylbenzene	18000 mg/m ³ 4hr, Rat	3400 mg/kg, Rat	Not Available	Not listed
Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids	Not available.	Not available.	Not Available	Not listed

* See Section 15 for more information

EFFECTS OF CHRONIC EXPOSURE

Chronic Effects:	Not hazardous by WHMIS criteria
Carcinogenicity:	Hazardous by WHMIS criteria
Mutagenicity:	Not hazardous by WHMIS criteria
Reproductive Effects:	Not hazardous by WHMIS criteria
Teratogenicity:	Hazardous by WHMIS criteria
Embryotoxicity:	Hazardous by WHMIS criteria



Respiratory Sensitization: Not hazardous by WHMIS criteria
Skin Sensitization: Hazardous by WHMIS criteria
Toxicologically Synergistic Materials: Not available
Chronic Effects: Contains ingredients known or suspected to be carcinogenic, teratogenic and/or embryotoxic. Contains Ethylene glycol monobutyl ether which may be absorbed by the skin in harmful amounts with prolonged or repeated contact
Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Vapours may cause drowsiness and dizziness
Medical Conditions
Aggravated By Exposure: Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions
Target Organs: Eyes, skin, respiratory system, gastrointestinal tract, nervous system, liver, kidneys, and bone marrow

SECTION 12 ECOLOGICAL INFORMATION

Persistence And Degradability: Not available
Bioaccumulation / Accumulation: Not available
Mobility in Environment: Not available
Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

SECTION 14 TRANSPORTATION

Regulatory Information	UN Number	Proper Shipping Name	Transport Hazard Class	Packing Group	Additional Information
TDG	Not Available	Not Available	Limited Quantity	Not Available	Not Available

SECTION 15 REGULATORY INFORMATION

Federal Regulations

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

INTERNATIONAL REGULATIONS

Ingredient	Canada DSL/NDSL
Light aromatic solvent naphtha (petroleum)	DSL
Ethylene glycol monobutyl ether	DSL
Xylene	DSL
Ethylbenzene	DSL
1,2,4-Trimethylbenzene	DSL
Diglycidyl ether of bisphenol A-based epoxy resins, medium to high molecular weight solids	DSL

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WHMIS Classification(s):

- Class B2 - Flammable Liquid
- Class D2A - Carcinogenicity
- Class D2A - Teratogenicity and Embryotoxicity
- Class D2B - Skin Sensitization
- Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

ACGIH (G)

American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I)

International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N)

National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

SECTION 16

OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health – 2

Flammability – 3

Physical Hazard – 0

PPE – B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

Health - 2

Fire - 3

Reactivity - 0

Caution: HMIS® and NFPA ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

Key to Abbreviations:

ATE = Acute Toxicity Estimate

BCF = Bio-concentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

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IMDG = International Maritime Dangerous Code

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

TDG = Transportation of Dangerous Goods

TSCA = United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL= Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS= European Inventory of Existing Chemical Substances/European List of Notified Chemical Substance

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