



SAFETY DATA SHEET

WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	Silmer G-223 B
Product code	6972.73
Chemical Name	Mixture
CAS No.	25550-51-0 / 34090-76-1
1.2 Recommended use of the chemical and restrictions on use	
Identified use(s)	intermediate use
Uses advised against	None known
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Siltech Corp 225 Wicksteed Ave Toronto, ON Canada M4H 1G5
Telephone	+1-416-424-4567
Fax	+1-416-424-3158
E-Mail (competent person)	raj@siltech.com
Additional Location	Siltech Corp 3265 Wolfedale Road, Mississauga ON Canada L5C 1V8
Telephone	+1-905-270-5534
Fax	+1-905-270-5816
1.4 Emergency telephone number	
Emergency Phone No.	CANUTECH - TELEPHONE: EMERGENCY USE ONLY +1-613-996-6666

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Eye Dam. 1 Skin Sens. 1 Resp. Sens. 1
2.2 Label elements	
Product Name	Silmer G-223 B
Symbol	
Signal word(s)	DANGER
Hazard statement(s)	H318: Causes serious eye damage. H317: May cause an allergic skin reaction. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statement(s)	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P285: In case of inadequate ventilation wear respiratory protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352: IF ON SKIN: Wash with plenty of water. P333+P313: If skin irritation or rash occurs: Get medical

advice/attention.
P363: Wash contaminated clothing before reuse.
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P501: Dispose of contents/container to: Observe Local Regulations.
None known

2.3 Other hazards

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Hexahydromethylphthalic anhydride	MHHPA	90 - 100	25550-51-0	247-094-1	GHS08, GHS05 H318, H317, H334
Methyltetrahydrophthalic Anhydride	4-MTHPA	< 10	34090-76-1	251-823-9	GHS08, GHS05 H318, H317, H334
1-methylimidazole		< 0.5	616-47-7	210-484-7	GHS05, GHS07 H302, H312, H314, H318

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention. If breathing is difficult give oxygen. If person is not breathing, call 999 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation develops and persists, get medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	In case of fire, use water spray, foam, dry powder or CO2 for extinction. Keep containers cool by spraying with water if exposed to fire.
Unsuitable Extinguishing Media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- 6.2 Environmental precautions** Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up** Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal.
- 6.4 Reference to other sections** See Section: 7 & 8.





7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a tightly closed container. Keep away from heat and light.
- Storage Temperature: Ambient
- Storage Life: Stable under normal conditions.
- Incompatible materials: Oxidizing agents
- 7.3 Specific end use(s)** Industrial use

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
None assigned						

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Safety spectacles/goggles/full face shield.
- Skin protection (Hand protection/ Other)  Wear impervious gloves (EN374).
Nitrile rubber, Polyethylene, PVC
Wear suitable protective clothing.
- Respiratory protection  Use NIOSH approved respiratory protection.
- Thermal hazards  None.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Colourless to yellowish liquid.
Odour	Characteristic odour.
Odour Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	10°C
Initial boiling point and boiling range	Not available.
Flash point (PMCC)	149°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density / Specific Gravity (20°C)	1.17
Solubility(ies)	Reacts with water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	100 cps
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Reacts with water.
10.4 Conditions to avoid	
10.5 Incompatible materials	Oxidizing agents. Alcohols, Acids, Alkaline, Water
10.6 Hazardous Decomposition Product(s)	Carbon oxides may be formed. (>220°C)

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Ingestion	LD50 (oral,rat) mg/kg: >2000
Inhalation	LD50 (dermal) mg/kg: > 2000
Skin Contact	Not classified.
Eye Contact	Causes serious eye damage.

Effects and Symptoms

skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified
Delayed and chronic effects	Not available
Calculated acute toxicity estimate (ATE)	Not available

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Not available.
12.2 Persistence and degradability	Not available.

12.3 Bioaccumulative potential	Not available.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and VPVB assessment	Not available.
12.6 Other adverse effects	None known

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Do not empty into drains; dispose of this material and its container in a safe way.
13.2 Additional Information	Dispose of contents in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 DOT / TDG / Road/Rail (ADR/RID)	Not classified as hazardous for road transport. Not classified as hazardous for rail transport.
14.2 Air (ICAO/IATA)	Not classified as hazardous for air transport.
14.3 Sea (IMDG)	Not classified as hazardous for marine transport.

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations	
REACH Registration No.	Not available.
Candidate List of Substances of Very High Concern for Authorisation	Hexahydromethylphthalic anhydride (CAS# 25550-51-0): 90 – 100%

15.2 International Inventories

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)	✓			
Canada (DSL/NDSL)	DSL✓			
European Union (EINECS/ELINCS)			✓	
Australia (AICS)		X		
China (IECSC)	✓			
Japan (ENCS)	✓			
South Korea (KECI)	✓			
Taiwan (TCSI)	✓			
New Zealand (NZIoC)	✓			
Philippines (PICCS)	✓			

15.3 National regulations	
United States (TSCA)	TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).
HMIS (Hazardous Material Information System)	H = 3 / F = 1 / R = 1
NFPA Rating	H = 3 / F = 1 / R = 1

15.4 US State Regulations

15.4.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM	None known.
15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER	None known.
15.4.3 State Right to Know Lists	None known.

16. SECTION 16: OTHER INFORMATION

Revision: **November 28, 2018**

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

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Hazard pictogram(s) and Hazard Symbol



GHS08

GHS05

Additional Information

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