




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	Silamine DG-50
Product code	6006
Chemical Name	Mixture
CAS No.	71750-80-6 / 8052-41-3 / 67-63-0
1.2 Recommended use of the chemical and restrictions on use	
Identified use(s)	Coatings, Additive
Uses advised against	Not available
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)	marsha.carter@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.	CANUTEC - TELEPHONE: EMERGENCY USE ONLY +1-613-996-6666

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Flam. Liq. 2 Eye Irrit. 2 Skin Irrit. 2 STOT SE 3 - Inhalation Asp. Tox. 1 Aquatic Chronic 2
2.2 Label elements	
Product Name	Silamine DG-50
Symbol	
Signal word(s)	DANGER
Hazard statement(s)	H225: Highly flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static

discharge.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin 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/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313: If skin irritation occurs: Get medical advice/attention.
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.
P337+P313: If eye irritation persists: Get medical advice/attention.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.
Methanol may form on contact with water or humid air.

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)
Stoddard Solvent	Mineral Spirits	30 - 40	8052-41-3	232-489-3	GHS02, GHS07, GHS08, GHS09 H226, H304, H315, H336, H411
2-Propanol	Isopropanol	20 - 30	67-63-0	200-661-7	GHS02, GHS07 H225, H319, H336

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. If inhaled, give oxygen or artificial respiration, call a physician.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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 None known.
- 5.2 Special hazards arising from the substance or mixture** Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.
- 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. Eliminate all ignition sources if safe to do so.
- 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. Ground/bond container and receiving equipment. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable. **Mix thoroughly before use.**
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a tightly closed container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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
Stoddard solvent	8052-41-3	500		100		
Isopropanol	67-63-0	200	492	400	984	

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.

8.2.2 Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Wear impervious gloves (EN374).



Respiratory protection

Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.



Thermal hazards

Flammable liquid

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 Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point (PMCC)	13°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 (25°C)	0.85
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	100 – 200 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	Methanol may form on contact with water or humid air.
10.4 Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials	Oxidizing agents.
10.6 Hazardous Decomposition Product(s)	Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Ingestion	May be fatal if swallowed.
Inhalation	May be harmful if inhaled.
Skin Contact	Causes skin irritation.
Eye Contact	Causes serious eye irritation.

Effects and Symptoms

skin corrosion/irritation	Repeated and/or prolonged skin contact may cause irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified

Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT - single exposure	STOT SE 3 : Inhalation The vapour may have narcotic effect.
STOT - repeated exposure	Not classified
Aspiration hazard	Aspiration hazard Category 1
Delayed and chronic effects	Not available.
Calculated acute toxicity estimate (ATE)	Not available.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
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 UN number	1993
14.2 UN Proper Shipping Name	FLAMMABLE LIQUIDS N.O.S. (Mineral Spirits / Isopropanol solution)
14.3 Transport hazard class(es)	3 Packing group II
14.4 Environmental hazards	



15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations	REACH Registration No.	Polymer exempt / Not available.
	Candidate List of Substances of Very High Concern for Authorisation	Possible trace amounts of: Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01% Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.01% Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.01%

15.2 International Inventories

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

15.3 National regulations

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 = 2 / F = 3 / R = 0

NFPA Rating

H = 2 / F = 3 / R = 0

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

Specific Listing(s) not required

Possible trace amounts of:

Cumene (CAS# 98-82-8)

Ethylbenzene (CAS# 100-41-4)

Isopropanol (CAS# 67-63-0) 20 – 30%

Specific Listing(s) not required

Possible trace amounts of:

Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 100 ppm

Xylene (CAS# 1330-20-7)

Cumene (CAS# 98-82-8)

Ethylbenzene (CAS# 100-41-4)

15.4.3 State Right to Know Lists

16. SECTION 16: OTHER INFORMATION

Revision: **February 15, 2023**

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Hazard pictogram(s)



GHS02 GHS07 GHS08 GHS09

Disclaimers

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