

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name	● GR-630S
Chemical Name	● Dimethyl polymer with methylphenyl silsesquioxanes.
Synonyms	● Solventless Glass Resin
CAS Number	● 68440-81-3
Product Description	● Clear liquid with slight tint.

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant

identified use(s) ● Glass Resin Coating **1.3 Details of the supplier of the safety data sheet**

Manufacturer ● Techneglas, Inc.
2100 N. Wilkinson Way
Perrysburg, OH 43551
United States
www.techneglas.com

Telephone (General) ● 419-873-2000

Responsible party ● Techneglas, Inc.
2100 N. Wilkinson Way
Perrysburg, OH 43551
United States
www.techneglas.com
Telephone (General) ●
419-873-2000

1.4 Emergency telephone number

Manufacturer ● 800-424-9300 - CHEMTREC
Manufacturer ● 703-527-3887 - CHEMTREC - International
Responsible Party ● 800-424-9300 - CHEMTREC
Responsible Party ● 703-527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP ● Classification criteria not met
EUH066
DSD/DPD ● Not classified

2.2 Label Elements

CLP

Hazard statements

- Classification criteria not met

Precautionary statements

Prevention • P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response • 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 soap and water.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Storage/Disposal • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
P402+P404 - Store in a dry place. Store in a closed container.

DSD/DPD

Risk phrases • Not classified

Safety phrases • S24/25 - Avoid contact with skin and eyes.
S46 - If swallowed seek medical advice immediately and show this container label.
S3 - Keep in a cool place.

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

DSD/DPD • This product is not considered dangerous under the European Directive 67/548/EEC

UN GHS

According to Third Revised Edition

2.1 Classification of the substance or mixture

UN GHS • Not classified

2.2 Label elements

UN GHS

Hazard statements

- Not classified

Precautionary statements

Prevention • P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response • P314 - Get medical advice/attention if you feel unwell.
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 soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Storage/Disposal • P401 - Store in accordance with local/regional/national/international regulation. Keep cool or chilled..

2.3 Other hazards

UN GHS

- No data available
-

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS

- Not classified

2.2 Label elements

OSHA HCS 2.3

- Not classified

Other hazards

OSHA HCS

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.
-

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Not classified

2.2 Label elements

WHMIS

- Not classified

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).
-

ANSI

According to American National Standards Institute

2.1 Classification of the substance or mixture

ANSI

- No data available

2.2 Label elements

ANSI

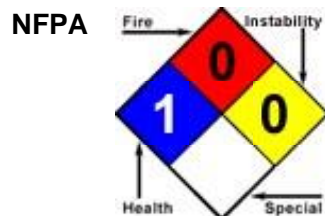
- Not classified

2.3 Other hazards

ANSI

- No data available
-
-
-

2.4 Other information



Section 3 - Composition/Information on Ingredients

3.1 Substances

Non-Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Silicones-dimethylpolymers with methyl & phenyl silsesquioxanes	CAS:68440-81-3	100%		OSHA: ANSI: WHMIS: UN GHS: EU DSD/DPD: EU CLP:	

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Get medical attention if symptoms occur.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.

Ingestion

- Consult physician. Gastric lavage may be necessary.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- No data available.

Antidotes

- No data available.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing • Material is non-combustible. In case of fire use media as appropriate for surrounding

Media fire.

Firefighting Procedures • Material is non-combustible and is not expected to pose a fire or explosion hazard.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Heating above the decomposition temperature may release ethanol.

Hazards

Hazardous Combustion • Oxides of carbon, silicon dioxide, water. **Products**

5.3 Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures • No emergency procedures are expected to be necessary if material is used under ordinary conditions as as recommended.

6.2 Environmental precautions

- Runoff from fire control may cause pollution.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Carefully shovel or sweep up spilled material and place in suitable container. Use appropriate Personal Protective Equipment (PPE)

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Store in a cool, dry place.

Incompatible Materials or Ignition Sources • Keep away from strong oxidizing agents, concentrated mineral acids and hydrofluoric acid.

7.3 Specific end use(s)

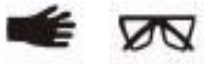
- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters 8.2 Exposure controls

Engineering Measures/Controls • Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment
Pictograms



- - Respiratory**
 - Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.
 - Eye/Face**
 - Wear protective eyewear (goggles, face shield, or safety glasses).
 - Hands**
 - Wear appropriate gloves.
 - Skin/Body**
 - Recommended to prevent skin irritation.
 - General Industrial Hygiene Considerations**
 - Handle in accordance with good industrial hygiene and safety practice.
 - Environmental Exposure Controls**
 - No data available
-

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear viscous liquid with a slight color.
Color	Clear liquid with slight color.	Odor	Odorless
Taste	No data available.	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Not relevant		
General Properties			
Boiling Point	Decomposes over 400 C	Melting Point	Liquid at room temperature
Decomposition Temperature	> 400 C(> 752 F)	Heat of Decomposition	Not relevant
pH	Not relevant	Specific Gravity/Relative Density	> 1 Water=1 @ 25 C(77 F)
Density	Not relevant	Bulk Density	Not relevant
Water Solubility	Insoluble	Solvent Solubility	Soluble in organic solvents
Viscosity	1000 to 3000 Centipoise (cPs, cP) or mPas @ 25 C(77 F) No data available	Explosive Properties	Classification criteria not met.
Oxidizing Properties:	Classification criteria not met.		
Volatility			
Vapor Pressure	None	Vapor Density	None
Evaporation Rate	None	VOC (Wt.)	No data available
VOC (Vol.)	< 1 %	Volatiles (Wt.)	No data available
Volatiles (Vol.)	< 1 %		
Flammability			
Flash Point	> 212 F(> 100 C)	Flash Point Test Type	CC (Closed Cup)
UEL	None	LEL	None
Autoignition	Not relevant	Self-Accelerating Decomposition Temperature (SADT)	Not relevant
Heat of Combustion (ΔH_c)	Not relevant	Burning Time	Not relevant
Flame Duration	Not relevant	Flame Height	Not relevant
Flame Extension	Not relevant	Ignition Distance	Not relevant
Flammability (solid, gas)	Classification criteria not met.		
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD ₅	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

9.2 Other Information

-

No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated.

10.4 Conditions to avoid

- Excess heat.

10.5 Incompatible materials

- Incompatible Materials: Strong oxidizing agents, concentrated mineral acids and hydrofluoric acid.

10.6 Hazardous decomposition products

- Hazardous decomposition may occur at temperatures over 400C, generating ethanol, .
-

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Acute toxicity	EU/CLP • UN GHS •
Skin corrosion/Irritation	EU/CLP • UN GHS •
Serious eye damage/Irritation	EU/CLP • UN GHS •
Skin sensitization	EU/CLP • UN GHS •
Respiratory sensitization	EU/CLP • UN GHS •
Aspiration Hazard	EU/CLP • UN GHS •
Carcinogenicity	EU/CLP • UN GHS •
Germ Cell Mutagenicity	EU/CLP • UN GHS •
Toxicity for Reproduction	EU/CLP • UN GHS •
STOT-SE	EU/CLP • UN GHS •
STOT-RE	EU/CLP • UN GHS •

Route(s) of entry/exposure

Medical Conditions

Aggravated by Exposure

Potential Health Effects

Inhalation

Acute (Immediate)

Chronic (Delayed)

Skin

Acute (Immediate)

Chronic (Delayed)

Eye

Acute (Immediate)

Chronic (Delayed)

Ingestion

Acute (Immediate)

Chronic (Delayed)

Other

Chronic (Delayed)

Mutagenic Effects

- Primary route of exposure is contact
- No data available.

- Under normal conditions of use, no health effects are expected.
- Under normal conditions of use, no health effects are expected.

- May cause mild irritation.
- Repeated and prolonged exposure may cause skin dryness or dermatitis.

- May cause irritation.
- No data available.

- May cause irritation.
- No data available.

- Under normal conditions of use, no health effects are expected.
- No data available.

Carcinogenic Effects

- This material is not listed as a carcinogen by the NTP, IARC or OSHA.

Reproductive Effects

- No data available.

Section 12 - Ecological Information**12.1 Toxicity**

- No data available

12.2 Persistence and degradability • No data available. **12.3 Bioaccumulative potential** • No data available. **12.4 Mobility in Soil**

- No data available.

12.5 Results of PBT and vPvB assessment

- No data available

12.6 Other adverse effects

- No studies have been found.

Ecological Fate

- No data available.

Potential Environmental Effects

- No data available.

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

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

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	NDA	NDA	NDA	NDA
TDG	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
ADN	NDA	NDA	NDA	NDA	NDA
ADR/RID	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	NDA	NDA	NDA	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • This product is provided only in non-bulk containers.

14.8 Other information

DOT • Material is considered non-hazardous per DOT regulations.

•

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • No data available

Inventory					
Component	CAS	Canada DSL	China	Korea KECL	TSCA
Silicones-dimethylpolymers with methyl & phenyl silesquioxanes	68440-81-3	Yes	Yes	Yes	Yes

India

Environment India - Hazardous Chemical Rules - List of Hazardous and Toxic Chemicals • Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed India - Public Liability - Chemicals with Quantities Requiring Insurance • Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed
--

Japan

Labor Japan - ISHL Dangerous Substances

- Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed

Korea

Labor

Korea - MOE - Harmful Substances

- Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed

United Kingdom

Environment

United Kingdom - List of Chemicals of Concern

- Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed

United States

Environment

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Silicones-dimethylpolymers with methyl & phenyl silesquioxanes 68440-81-3 100% Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
S24/25 - Avoid contact with skin and eyes.
S - This substance may not require a label according to Article 23 (see section 8 of Annex VI)
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Last Revision Date

- January 2019

Preparation Date

- July1, 1998

Disclaimer/Statement of Liability

- This MSDS is based on information which is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under Techneglas' control, each user is responsible for making its own determination as to the safe and proper handling of this material based upon local laws and regulations and in its own particular use of this material. The laws and regulations cited in this MSDS are not intended to be comprehensive. Please check all local laws and regulations prior to use of this product.