SAFETY DATA SHEET

SEPTEMBER 2020

1. IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: Insulating Glass Silicone Sealant
CRL Cat. No.: 9542

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Sealant

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: C.R Laurence Co., Inc.
2503 E. Vernon Ave.
Los Angeles, CA. 90058
Telephone Number: (800) 421-6144

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: CHEMTREC 1-800-424-9300 (US and Canada)
INTERNATIONAL + 1-703-527-3887

2. HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Skin Irritation	**Category 2**
Eye Irritation	**Category 2A**
Skin Sensitization	**Category 1**
Carcinogenicity	**Category 2**
Reproductive Toxicity	**Category 2**
Specific Target Organ Toxicity – Repeated Exposure	**Category 2**

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD:
WARNING!

2.2b HAZARD STATEMENTS
Casues skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure

2.2c HAZARD PICTOGRAMS

2. HAZARD(S) IDENTIFICATION (CONT.)

2.2d PRECAUTIONARY STATEMENTS

i. PREVENTION	Wash hands thoroughly after handling. Do not breathe vapors/fumes. Do not eat, drink or smoke while using this product. Use in a well ventilated area. Wear impervious gloves/protective clothing/eye protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing must not be allowed out of the workplace.
ii. RESPONSE	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. 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. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.
iii. STORAGE	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
iv. DISPOSAL	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED
Not Applicable

2.3b UNKNOWN ACUTE TOXICITY
66.1% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	Weight %
Methyltri(ethylmethylketoxime) silane	22984-54-9	5 – 10%*
Aminoalkoxysilane	1760-24-3	0.5 – 1.5%*
Octamethylcyclotetrasiloxane	556-67-2	0.1 – 1.0%*
Methanol	67-56-1	0.0 - 2.0%*

**Methanol is not a component in the formulation of this product, however, as this product cures, methanol gas is evolved.
*Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of soap and water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention/advice. Take off contaminated clothing and wash before reuse.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.
Inhalation:	May cause respiratory tract irritation. May cause damage to organs through prolonged or repeated exposure.
Ingestion:	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians:	Symptoms may not appear immediately.
Specific Treatments:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

5. FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA

5.2a. Suitable Extinguishing Media: Treat for surrounding material.
5.2b. Unsuitable Extinguishing Media: Water

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion: By heating and fire, harmful vapors/gases may be formed. Nitrogen Oxides(corrosive)

5.3b. Explosion Data
i. Sensitivity to Mechanical Impact: Not Available
ii. Sensitivity to Static Discharge: Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection (SCBA).

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Recover all usable material. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe vapors/fumes. Do not take internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Store locked up. Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER

Exposure Guidelines:

OCCUPATIONAL EXPOSURE LIMITS

Chemical name	OSHA-PEL	ACGIH-TLV
Methyltri(ethylmethylketoxime) silane	Not Available	Not Available
Aminoalkoxysilane	Not Available	Not Available
Octamethylcyclotetrasiloxane	Not Available	10 ppm
Methanol	200 ppm	200 ppm

8.2 EXPOSURE CONTROLS

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

8.3 INDIVIDUAL PROTECTION MEASURES

8.3a. Personal Protective Equipment:

i. Eye/Face Protection: Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

ii. Skin Protection:

1. Hand Protection: Wear impervious gloves, such as nitrile.

2. Body Protection: Wear suitable protective clothing.

iii. Respiratory Protection: A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

iv. General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Paste	Translucent
Odor:	Oxime
Odor Threshold:	Mild
pH:	Not Available
Melting point/Freezing point:	Not Available
Initial boiling point and boiling range:	Not Available
Flash point:	Not Available
Evaporation rate (Water=1):	Not Available
Flammability:	Not Flammable/Not Combustible
Upper Flammability/Explosive Limit:	Not Available
Lower Flammability/Explosive Limit:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	0.95 – 1.0 g/mL
Solubility in Water:	Insoluble
Partition coefficient: n-octanol/water:	Not Available
Auto-ignition temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity (cps):	Not Available
VOC Content:	<29 g/L

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS

Strong oxidizing agents. Water and moisture.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

This product reacts with water, moisture, or humid air to evolve: Methylethylketoxime. Thermal breakdown of this product during fire or extreme heat may evolve: Carbon Oxides, Silicon Dioxide, Nitrogen Oxide, Formaldehyde.

11. TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:
Skin contact, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin Contact: Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.

Inhalation: May cause respiratory tract irritation. May cause damage to organs through prolonged or repeated exposure.

Ingestion: May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

ACUTE TOXICITY(ATEmix= 2,652 mg/kg)

Chemical name	LC50	LD50
Methyltri(ethylmethylketoxime) silane	Not Available	Oral: >2,000 mg/kg, rat
Aminoalkoxysilane	Not Available	Oral: >7,500 mg/kg, rat
Octamethylcyclotetrasiloxane	Not Available	Oral: >4,800 mg/kg, rat

CARCINOGENICITY

Chemical name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)
Methyltri(ethylmethylketoxime) silane	Not Available
Aminoalkoxysilane	Not Available
Octamethylcyclotetrasiloxane	Not Available

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT-TERM

Skin Corrosion/Irritation:	Causes skin irritation
Serious Eye Damage/Irritation:	Causes serious eye irritation
Respiratory Sensitization:	Not Classified
Skin Sensitization:	May cause an allergic skin reaction
STOT-Single Exposure:	May cause respiratory irritation
Aspiration Hazard:	Not Classified

11. TOXICOLOGICAL INFORMATION (CONT.)

LONG-TERM

Carcinogenicity:	Suspected of causing cancer
Germ Cell Mutagenicity:	Not Classified
Reproductive Toxicity:	Suspected of damaging fertility or the unborn child
STOT-Repeated Exposure:	May cause damage to organs through prolonged or repeated exposure
Synergistic/Antagonistic Effects:	Not Classified

12. ECOLOGICAL INFORMATION

12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

ECOTOXICITY

Chemical name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Methyltri(ethylmethylketoxime) silane	Not Available	Not Available
Aminoalkoxysilane	81 mg/L, Daphnia magna	597 mg/L, Brachydanio rerio
Octamethylcyclotetrasiloxane	Not Available	Not Available

12.2. PERSISTENCE AND DEGRADABILITY

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. OTHER ADVERSE EFFECTS

Not Available

13: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS

Not Available

14. TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	IATA
UN NUMBER: Not Regulated	**UN NUMBER:** Not Regulated	**UN NUMBER:** Not Regulated
UN PROPER SHIPPING NAME: Not Regulated	**UN PROPER SHIPPING NAME:** Not Regulated	**UN PROPER SHIPPING NAME:** Not Regulated
TRANSPORT HAZARD CLASS (ES): Not Regulated	**TRANSPORT HAZARD CLASS (ES):** Not Regulated	**TRANSPORT HAZARD CLASS (ES):** Not Regulated
PACKING GROUP (if applicable): Not Regulated	**PACKING GROUP (if applicable):** Not Regulated	**PACKING GROUP (if applicable):** Not Regulated

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

14.1. ENVIRONMENTAL HAZARDS
Not Available

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE
Not Available

14.3. SPECIAL PRECAUTIONS FOR USER
Do not handle until all safety precautions have been read and understood.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

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

US: SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

15.2. US FEDERAL INFORMATION:.

CHEMICAL NAME	SECTION 302 (EHS) TPQ (LBS)	SECTION 304 EHS RQ (LBS)	CERCLA RQ (LBS)	SECTION 313 (TRI)
Methyltri(ethylmethylketoxime) silane	Not Listed	Not Listed	Not Listed	Not Listed
Aminoalkoxysilane	Not Listed	Not Listed	Not Listed	Not Listed
Octamethylcyclotetrasiloxane	Not Listed	Not Listed	Not Listed	Not Listed

15. REGULATORY INFORMATION (CONT.)

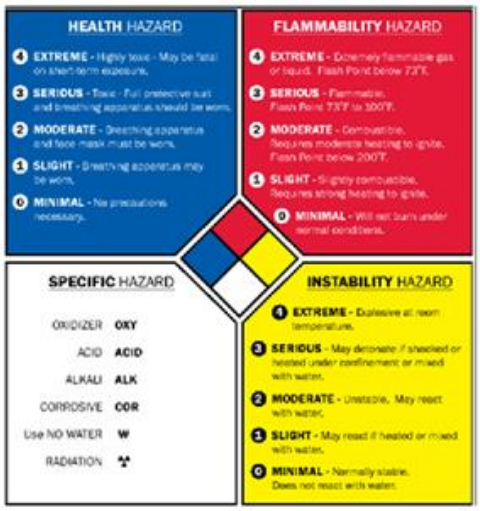
15.3. US STATE RIGHT TO KNOW LAWS:

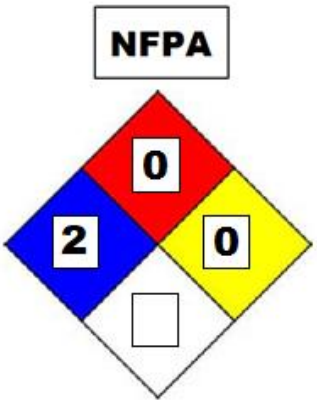
California Proposition 65:	⚠ WARNING: This product can expose you to chemicals including methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to **www.P65Warnings.ca.gov**.
Other U.S. States "Right to Know" Lists:	Poly(Dimethylsiloxane): CAS#70131-67-8 Dimethyl siloxane: CAS#63148-62-9 Methyltri(ethylmethylketoxime) silane: CAS#22984-54-9 Aminoalkoxysilane: CAS#1760-24-3 Octamethylcyclotetrasiloxane: CAS#556-67-2

15.4. GLOBAL INVENTORIES

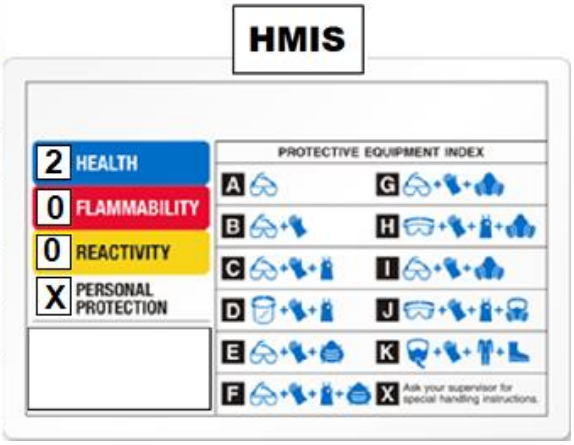
Chemical name	USA TSCA	Canada DSL/NDSL
Methyltri(ethylmethylketoxime) silane	Yes	DSL
Aminoalkoxysilane	Yes	DSL
Octamethylcyclotetrasiloxane	Yes	DSL

15.5. NFPA AND HMIS RATINGS:





Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard



15. REGULATORY INFORMATION (CONT.)

15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65	California Proposition 65
OSHA (O)	Occupational Safety and Health Administration
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 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

16. OTHER INFORMATION

Date of Preparation: July 21, 2015
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Revision Date: June 16, 2020

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

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