

Safety Data Sheet SQS-261 Date of issue: 09/10/2015 Versio Version: 1.0

SECTION 1: Identification of the s	substance/mixture and of the company/undertaking	
1.1. Product identifier		
Product form	: Mixture	
Physical state	: Liquid	
Product name	: SILANOL-TRIMETHYLSILYL MODIFIED Q RESIN, 40% in toluene	
Product code	: SQS-261	
Synonyms	: MQ RESIN; TRIMETHYLSILYL MODIFIED POLYSILICIC ACID	
Chemical family	: SILICONE RESIN	
1.2. Relevant identified uses of the s	ubstance or mixture and uses advised against	
Use of the substance/mixture	: Chemical intermediate For research and industrial use only	
1.3. Details of the supplier of the saf	ety data sheet	
<b>GELEST, INC.</b> 11 East Steel Road Morrisville, PA 19067 <b>USA</b> T 215-547-1015 - F 215-547-2484 - (M-F): 8 info@gelest.com	:00 AM - 5:30 PM EST	
1.4. Emergency telephone number		
Emergency number	: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)	
SECTION 2: Hazards identificatio	n	
2.1. Classification of the substance of		
	Ji mixture	
Classification (GHS-US)           Flam. Liq. 2         H225           Skin Irrit. 2         H315           Eye Irrit. 2A         H319           Repr. 2         H361           STOT SE 3         H336           STOT RE 2         H373           Aquatic Acute 3         H402	lest	
Full text of H-phrases: see section 16 2.2. Label elements		
GHS-US labeling		
Hazard pictograms (GHS-US)	GHS02 GHS07 GHS08	
Signal word (GHS-US)	: Danger	
Hazard statements (GHS-US)	<ul> <li>H225 - Highly flammable liquid and vapor H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure H402 - Harmful to aquatic life</li> </ul>	
Precautionary statements (GHS-US)	<ul> <li>P201 - Obtain special instructions before use</li> <li>P202 - Do not handle until all safety precautions have been read and understood</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P210 - Keep away from heat, open flames, sparks No smoking</li> <li>P240 - Ground/bond container and receiving equipment</li> <li>P241 - Use explosion-proof ventilating equipment</li> <li>P242 - Use only non-sparking tools</li> <li>P243 - Take precautionary measures against static discharge</li> <li>P260 - Do not breathe vapors</li> <li>P264 - Wash hands thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> </ul>	
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		<ul> <li>P273 - Avoid release to the environment</li> <li>P303+P361+P353 - If on skin (or hair): tak skin with water/shower</li> <li>P332+P313 - If skin irritation occurs: Get r</li> <li>P304+P340 - If inhaled: Remove person to</li> <li>P305+P351+P338 - IF IN EYES: Rinse ca</li> <li>contact lenses, if present and easy to do.</li> <li>P337+P313 - If eye irritation persists: Get</li> <li>P308+P313 - If eye irritation persists: Get</li> <li>P308+P313 - If exposed or concerned: Ge</li> <li>P321 - Specific treatment (see first aid ins</li> <li>P362+P364 - Take off contaminated clothi</li> <li>P370+P378 - In case of fire: Use Water sp</li> <li>(CO2) to extinguish</li> <li>P403+P233 - Store in a well-ventilated pla</li> <li>P403+P235 - Keep in a cool place</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to lice</li> </ul>	medical advice/atter o fresh air and keep nutiously with water Continue rinsing medical advice/atte et medical advice/att tructions on this lab ing and wash it befo oray, dry extinguishi ace. Keep container	ntion comfortable for breathing for several minutes. Remove ntion tention el) ore reuse ng powder, foam, carbon dioxid tightly closed
.3.	Other hazards	•		•
lo add	itional information available			
.4.	Unknown acute toxicity (GHS US)			
lo data	a available			
SECT	ION 3: Composition/information	on ingredients		
.1.	Substance			
lot apr	blicable			
3.2.	Mixture			
Name		Product identifier	%	Classification (GHS-US)
Silanol	-trimethylsilyl modified q resin	(CAS No) 56275-01-5	55 - 65	Not classified
Toluen	e	(CAS No) 108-88-3	35 - 45	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
	terminated polydimethylsiloxane	(CAS No) 70131-67-8	20 - 30	Not classified

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, i present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/injuries	: Causes damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness. Vapor inhalation of toluene may lead to impairment of coordination mental alertness, and reaction times, leading to accident proneness. Exposure to levels around 500ppm leads to narcotic effects including nausea, headache and mental confusion. May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache. Nausea.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed. Oral toxicity is associated with toluene which causes psychophysiological and bone marrow changes nausea, vomiting, headache, visual effects including blindness.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.

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Unsuitable extinguishing media	: None known.	
5.2. Special hazards aris	sing from the substance or mixture	
Fire hazard	material is exposed to elevate	apor. Irritating fumes and organic acid vapors may develop when ed temperatures or open flame.
Explosion hazard	: May form flammable/explosiv	e vapor-air mixture.
5.3. Advice for firefighte	rs	
Firefighting instructions	: Use water spray or fog for co chemical fire.	oling exposed containers. Exercise caution when fighting any
Protection during firefighting		proper protective equipment, including respiratory protection. t and do not breathe vapor and mist.
<b>SECTION 6: Accidental</b>	release measures	
6.1. Personal precaution	ns, protective equipment and emergency proce	dures
General measures	: Eliminate every possible sour	rce of ignition. Use special care to avoid static electric charges.
6.1.1. For non-emergency	personnel	
Protective equipment	: Wear protective equipment as	s described in Section 8.
Emergency procedures	: Evacuate unnecessary perso	nnel.
6.1.2. For emergency resp	onders	
Protective equipment	: Do not attempt to take action	without suitable protective equipment. Equip cleanup crew with information refer to section 8: "Exposure controls/personal
6.2. Environmental preca	autions	
Prevent entry to sewers and put	blic waters. Notify authorities if liquid enters sewer	s or public waters.
6.3. Methods and materi	al for containment and cleaning up	
For containment	: Contain any spills with dikes of streams.	or absorbents to prevent migration and entry into sewers or
Methods for cleaning up	: Clean up any spills as soon a shovel spills into appropriate	is possible, using an absorbent material to collect it. Sweep or container for disposal. Use only non-sparking tools.
6.4. Reference to other s	sections	
See Heading 8. Exposure contr	ols and personal protection.	
SECTION 7: Handling a	nd storage	
7.1. Precautions for safe		
Additional hazards when proces	ssed : Handle empty containers with heat/sparks/open flames/hot	n care because residual vapors are flammable. Keep away from surfaces No smoking.
Precautions for safe handling	read and understood. Avoid a Ground/bond container and re prevent accumulation of vapo	fore use. Do not handle until all safety precautions have been all eye and skin contact and do not breathe vapor and mist. eceiving equipment. Provide good ventilation in process area to ors. Take precautionary measures against static discharge. Use tilated area. Use only non-sparking tools.
Hygiene measures		ed areas with mild soap and water before eating, drinking or ork. Wash contaminated clothing before reuse.
7.2. Conditions for safe	storage, including any incompatibilities	
Technical measures	: Proper grounding procedures electrical equipment.	to avoid static electricity should be followed. Use explosion-proc
Storage conditions	: Keep container tightly closed	. Keep in a cool place. Store locked up.
Incompatible materials	: Oxidizing agent.	
Storage area	: Store away from heat. Store i	n a well-ventilated place.
7.3. Specific end use(s)		
No additional information availa	ble	
SECTION 8: Exposure of	controls/personal protection	
8.1. Control parameters		
Toluene (108-88-3) USA ACGIH		20 ppm
	ACGIH TWA (ppm)	20 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	375 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm

USA NIOSH

NIOSH REL (STEL) (mg/m<sup>3</sup>)

560 mg/m<sup>3</sup>

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Toluene (108-88-3)		
USA NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
USA IDLH	US IDLH (ppm)	500 ppm
Silanol-trimethylsilyl modifie	d q resin (56275-01-5)	
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (nuisance dust)
8.2. Exposure controls		
Appropriate engineering controls	: Provide local exhaust or gene	ral room ventilation.
Personal protective equipment		re. Emergency eye wash fountains and safety showers should be nity of any potential exposure.
Hand protection	: Neoprene or nitrile rubber glov	/es.
Eye protection	: Chemical goggles. Contact le	nses should not be worn.
Skin and body protection	: Wear suitable protective cloth	ing.
Respiratory protection		lation may occur from use, respiratory protection equipment is ed dust and mist (orange cartridge) respirator.
SECTION 9: Physical an		ed dust and mist (orange cartridge) respirator.

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Clear solution.
Molecular mass	: 3000 - 4000 g/mol
Color	: No data available
Odor	: Aromatic. Toluene.
Odor threshold	: No data available
Refractive index	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: <0 °C
Boiling point	: 110 °C initial (toluene)
Flash point	: 4 °C
Auto-ignition temperature	: 536 °C toluene
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapor
Vapor pressure	: 22 mm Hg @ 20°C (toluene)
Relative vapor density at 20 °C	: >1 (toluene)
Relative density	: No data available
VOC content	: 35 - 45 %
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 1.2 - 7 vol % (lower; upper: toluene)
9.2. Other information	

9.2. Other information

No additional information available

SECTI	TION 10: Stability and reactivity			
10.1.	Reactivity			
No addit	lditional information available			
10.2.	Chemical stability			
Stable.				

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10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Oxidizing agent.	
10.6. Hazardous decomposition products	
Organic acid vapors. Silicon dioxide.	
<b>č</b>	lion
SECTION 11: Toxicological informat	
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Toluene (108-88-3)	
LD50 oral rat	2600 mg/kg
LD50 dermal rabbit	12000 mg/kg
LC50 inhalation rat (mg/l)	12.5 mg/l/4h
Silanol terminated polydimethylsiloxane (7	
LD50 oral rat	> 15400 mg/kg
LD50 dermal rabbit	> 16 ml/kg
LC50 inhalation rat (mg/l)	> 8750 mg/m <sup>3</sup> (Exposure time: 7 h)
Silanol-trimethylsilyl modified q resin (5627	
LD50 oral rat	> 5000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation. : Not classified
Respiratory or skin sensitization Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Toluene (108-88-3)	
IARC group	3 - Not classifiable
Reproductive toxicity Specific target organ toxicity (single exposure)	<ul> <li>Suspected of damaging fertility or the unborn child.</li> <li>May cause drowsiness or dizziness.</li> </ul>
Specific target organ toxicity (repeated	: May cause damage to organs through prolonged or repeated exposure.
exposure)	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness. Vapor inhalation of toluene may lead to impairment of
	coordination mental alertness, and reaction times, leading to accident proneness. Exposure to levels around 500ppm leads to narcotic effects including nausea, headache and mental confusion. May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache. Nausea.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	<ul> <li>May be harmful if swallowed. Oral toxicity is associated with toluene which causes psychophysiological and bone marrow changes nausea, vomiting, headache, visual effects including blindness.</li> </ul>
Reason for classification	: Expert judgment
<b>SECTION 12: Ecological information</b>	
12.1. Toxicity	
Ecology - general	: Harmful to aquatic life.
Ecology - water	: Toxic to aquatic life with long lasting effects.
Toluene (108-88-3)	
	15.22 - 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 1	
	5.46 - 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2	
EC50 Daphnia 1	5.46 - 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Daphnia 1 LC50 fish 2	5.46 - 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

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12.3. Bioaccumulative potential	
Toluene (108-88-3)	
Log Pow	2.65
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other adverse effects	: This substance may be hazardous to the environment.
Effect on ozone laver	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideration	16
13.1. Waste treatment methods	. De net dien een ef weste inte seven
Sewage disposal recommendations Waste disposal recommendations	<ul> <li>Do not dispose of waste into sewer.</li> <li>Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.</li> </ul>
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN number	4000
UN-No.(DOT)	: 1866
DOT NA no.	UN1866
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Resin solution
	(SILANOL-TRIMETHYLSILYL MODIFIED Q RESIN, 40% in toluene)
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
Packing group (DOT)	: II - Medium Danger
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 173
DOT Packaging Bulk (49 CFR 173.xxx)	
	: 242
14.3. Additional information	. No supplementary information evailable
Other information	: No supplementary information available.
Transport by sea	
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" or passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
SECTION 15: Regulatory information	n
15.1. US Federal regulations	
Toluene (108-88-3)	
Listed on the United States TSCA (Toxic Subst	tances Control Act) inventory
Listed on United States SARA Section 313	4.0.0/
SARA Section 313 - Emission Reporting	1.0 %

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J.S California - Proposition 65 - Reproductive Toxicity - Female       No         J.S California - Proposition 65 - Reproductive Toxicity - Male       No         Toluene (108-88-3)       J.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       No significance risk level (NSRL)         No       Yes       No         Silanol terminated polydimethylsiloxane (70131-67-8)       U.S California - Proposition 65 - Carcinogens List       V.S California - Proposition 65 - Developmental Toxicity       V.S California - Proposition 65 - Developmental Toxicity       No significance risk level Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)         Silanol terminated polydimethylsiloxane (70131-67-8)       U.S California - Proposition 65 - Developmental Toxicity       V.S California - Proposition 65 - Reproductive Toxicity - Female       No significance risk level (NSRL)         No       No       No       No       No         J.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)         J.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)		imethylsiloxane (70131-67			
Listed on the United States TSCA (Toxis Substances Control Act) inventory (5.2. International regulations (5.2. International regulations (5.2. International DSL (Demarks Substances) Listed on the ACS (Australian Inventory of Chemical Substances) Listed on the ACS (Australian Inventory of Chemical Substances) Listed on the Kosen Substances (Discover Demarks Substances) Listed on the Kosen Substances (Listed Demarks Substances) Listed on the Kosen Substances (Listed Demarks Substances) Listed on the Kosen Substances (New Zealend Inventory of Chemical Substances) Listed on N2CS (Philippings Inventory of Chemicals Substances) Listed on N2CS (New Zealend Inventory of Chemicals Substances) Listed on N2CS (New Zealend Inventory of Chemical	Listed on the United States	s TSCA (Toxic Substances	Control Act) inventory		
15.2. International regulations         Totume (108-88-3)         Listed on the ACR (Australian Inventory of Chemical Substances)         Listed on the CR (Australian Inventory of Chemical Substances)         Listed on the CR (Newtroy of Exercise) Chemical Substances         Listed on the CR (Newtroy of Chemicals)         Listed on the CR (Philippine Strumetry of Chemicals)         Listed on NZICC (New Zaaland Inventory of Chemicals)         Listed on NZICC (Philippines Inventory of Chemicals) <td> · ·</td> <td></td> <td></td> <td></td> <td></td>	· ·				
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Listed on the Canadian DSL (Domestic Sustances List) Listed on the Korean ECL (Existing Chemicals Substances Produced or Imported in China) Listed on N2CO (New Zealand Inventory of Chemicals Substances) Listed on N2CO (New Zealand Inventory of Chemicals List) Listed on N2CO (New Zealand Inventory of Chemicals Substances) Listed on N2CO (New Zealand Inventory of Chemicals Sub	Silanol terminated polyd	imethylsiloxane (70131-67	-8)		
Silanol-trimethylsilyl modified q resin (56275-01-5)         Listed on the AICS (Australian Inventory of Chemical Substances)         Listed on the Canadian NDSL (Non-Domesic Substances Elist)         Listed on the AICS (Australian Inventory of Existing Chemical Substances Produced or Imported in China)         Listed on NEOCS (Inventory of Existing Chemicals List)         Listed on NZIOC (New Zealand Inventory of Chemicals)         Listed on NZIOC (New Zealand Inventory of Chemicals)         Listed on PICCS (Philippines Inventory of Chemicals)         Listed on Pictory Chemicals Substances)         Liste California - Proposition 65 - Reproductive Toxicity - Prop	Listed on the Canadian DS Listed on IECSC (Inventor Listed on the Korean ECL Listed on NZIOC (New Zea Listed on PICCS (Philippin	SL (Domestic Sustances Lis y of Existing Chemical Subs (Existing Chemicals List) aland Inventory of Chemicals as Inventory of Chemicals	t) stances Produced or Imported in s) and Chemical Substances)	r China)	
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SILANOL-TRIMETHYLSILYL MODIFIED Q RESIN, 40% in toluene()           J.S California - Proposition 65 - Carcinogens List         No           J.S California - Proposition 65 - Reproductive         No           Districty - Female         No           J.S California - Proposition 65 - Reproductive         No           Toxicity - Female         No           J.S California - Proposition 65 - Reproductive         No           Toxicity - Male         No           Toluene (108-88-3)         U.S California -           J.S California -         Proposition 65 -           Proposition 65 -         Developmental Toxicity           Developmental Toxicity         Ves           Vo         Yes           No         Silanol terminated polydimethylsiloxane (70131-67-8)           J.S California -         Proposition 65 -           Developmental Toxicity         Ves           Vo         Yes           No         Silanol terminated polydimethylsiloxane (70131-67-8)           J.S California -         Proposition 65 -           Developmental Toxicity         Female           No         No           No         No           No         No           Silanol-terminated polydimethylsiloxane (70131-67-8)	Listed on IECSC (Inventor Listed on the Korean ECL Listed on NZIoC (New Zea	y of Existing Chemical Subs (Existing Chemicals List) Iland Inventory of Chemicals	stances Produced or Imported in	China)	
SILANOL-TRIMETHYLSILYL MODIFIED Q RESIN, 40% in toluene()           J.S California - Proposition 65 - Carcinogens List         No           J.S California - Proposition 65 - Reproductive         No           Districty - Female         No           J.S California - Proposition 65 - Reproductive         No           Toxicity - Female         No           J.S California - Proposition 65 - Reproductive         No           Toxicity - Male         No           Toluene (108-88-3)         U.S California -           J.S California -         Proposition 65 -           Proposition 65 -         Developmental Toxicity           Developmental Toxicity         Ves           Vo         Yes           No         Silanol terminated polydimethylsiloxane (70131-67-8)           J.S California -         Proposition 65 -           Developmental Toxicity         Ves           Vo         Yes           No         Silanol terminated polydimethylsiloxane (70131-67-8)           J.S California -         Proposition 65 -           Developmental Toxicity         Female           No         No           No         No           No         No           Silanol-terminated polydimethylsiloxane (70131-67-8)	15.3. US State regulations				
J.S California - Proposition 65 - Carcinogens List       No         J.S California - Proposition 65 - Developmental Toxicity       No         J.S California - Proposition 65 - Reproductive Toxicity - Female       No         J.S California - Proposition 65 - Reproductive Toxicity - Male       No         Foluene (108-88-3)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Female       No         No       Yes       Yes       No         Silanol terminated polydimethylsiloxane (70131-67-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Carcinogens List       No significance risk level (NSRL)         Silanol terminated polydimethylsiloxane (70131-67-8)       U.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Carcinogens List       No significance risk level (NSRL)         Silanol-trimethylsilyl modified q resin (56275-01-5)       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Developmental Toxicity       No       No       No significance risk level (NSRL)         No       No       No       No       No       No significance risk level (NSRL)	SILANOL-TRIMETHYLSIL	L MODIFIED Q RESIN, 40	% in toluene()		
Toxicity       J.S California - Proposition 65 - Reproductive       No         J.S California - Proposition 65 - Reproductive       No         Toluene (108-88-3)       J.S California - Proposition 65 - Reproductive       No         J.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Reproductive Toxicity - Male       No significance risk level (NSRL)         No       Yes       Yes       No       No         Silanol terminated polydimethylsiloxane (70131-67-8)       U.S California - Proposition 65 - Reproductive Toxicity - Female       No significance risk level (NSRL)         J.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Reproductive Toxicity - Female       No significance risk level (NSRL)         No       Yes       Yes       U.S California - Proposition 65 - Reproductive Toxicity - Female       No significance risk level (NSRL)         J.S California - Proposition 65 - Developmental Toxicity       No       No       No       No         No       No       No       No       No       No       No significance risk level (NSRL)         Silanol-trimethylsilyl modified q resin (56275-01-5)       J.S California - Proposition 65 - Reproductive Toxicity - Female       Proposition 65 - Reproductive Toxicity - Reproductive Toxicity - Reproductiv					
Toxicity - Female       No         J.S California - Proposition 65 - Reproductive       No         Tournet (108-88-3)       U.S California - Proposition 65 - Developmental Toxicity       V.S California - Proposition 65 - Reproductive Toxicity - Female       U.S California - Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)         No       Yes       Yes       No         Silanol terminated polydimethylsiloxane (70131-67-8)       U.S California - Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)         J.S California - Proposition 65 - Carcinogens List       U.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)         J.S California - Proposition 65 - Carcinogens List       D.S California - Proposition 65 - Developmental Toxicity       U.S California - Proposition 65 - Reproductive Toxicity - Male       No significance risk level (NSRL)         No       No       No       No       No       No         J.S California - Proposition 65 - Developmental Toxicity       Proposition 65 - Reproductive Toxicity - Female       No significance risk level (NSRL)         No       No       No       No       No       No         J.S California - Proposition 65 - Developmental Toxicity       V.S California - Proposition 65 - Reproductive Toxicity - Female <td>U.S California - Propositio Toxicity</td> <td>n 65 - Developmental</td> <td>No</td> <td></td> <td></td>	U.S California - Propositio Toxicity	n 65 - Developmental	No		
Toxicity - Male       Image: Constraint of the system of the	Toxicity - Female		No		
J.S California - Proposition 65 - Carcinogens ListU.S California - Proposition 65 - Developmental ToxicityU.S California - Proposition 65 - Reproductive Toxicity - FemaleU.S California - Proposition 65 - Reproductive Toxicity - MaleNo significance risk level (NSRL)NoYesYesNoSilanol terminated polydimethylsiloxane (70131-67-8) J.S California - Proposition 65 - Developmental ToxicityU.S California - Proposition 65 - Reproductive Toxicity - FemaleU.S California - Proposition 65 - Reproductive Toxicity - MaleNo significance risk level (NSRL)Silanol terminated polydimethylsiloxane (70131-67-8) J.S California - Proposition 65 - Developmental ToxicityU.S California - Proposition 65 - Reproductive Toxicity - FemaleU.S California - Proposition 65 - Reproductive Toxicity - MaleNo significance risk level (NSRL)NoNoNoNoNoSilanol-trimethylsilyl modified q resin (56275-01-5) J.S California - Proposition 65 - Developmental ToxicityU.S California - Proposition 65 - Reproductive Toxicity - FemaleU.S California - Proposition 65 - Reproductive Toxicity - MaleNo significance risk level (NSRL)NoNoNoNoNoNo	U.S California - Propositio Toxicity - Male	n 65 - Reproductive	No		
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Silanol-trimethylsilyl modified q resin (56275-01-5)         J.S California -         Proposition 65 -         Carcinogens List         No         No	Proposition 65 - Carcinogens List		Reproductive Toxicity -	Reproductive Toxicity -	(NSRL)
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Proposition 65 - Carcinogens ListProposition 65 - Developmental ToxicityProposition 65 - Reproductive Toxicity - FemaleProposition 65 - Reproductive Toxicity - Male(NSRL)NoNoNoNo					
	U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Silanol terminated polydimethylsiloxane (70131-67-8)	No	No	No	No	
	Silanol terminated polydin	nethylsiloxane (70131-67-8	3)		

Safety Data Sheet

Pro Re Eu	reshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and ealth; IARC: International Agency for Research on Cancer; NTP: National Toxicology rogram; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service egistration Number; EC No.: European Commission Registration Number; EC Index No.: uropean Commission Index Number; OECD: The Organisation for Economic Co-operation nd Development.
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Aquatic Acute 3		Hazardous to the aquatic environment - Acute Hazard Category
Asp. Tox. 1		Aspiration hazard Category 1
Eye Irrit. 2A		Serious eye damage/eye irritation Category 2A
Flam. Liq. 2		Flammable liquids Category 2
Repr. 2		Reproductive toxicity Category 2
Skin Irrit. 2		Skin corrosion/irritation Category 2
STOT RE 2		Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3		Specific target organ toxicity (single exposure) Category 3
H225		Highly flammable liquid and vapor
H304		May be fatal if swallowed and enters airways
H315		Causes skin irritation
H319		Causes serious eye irritation
H336		May cause drowsiness or dizziness
H361		Suspected of damaging fertility or the unborn child
H373		May cause damage to organs through prolonged or repeated exposure
H402		Harmful to aquatic life

HMIS III Rating		
Health	: 3 Serio	ious Hazard - Major injury likely unless prompt action is taken and medical treatment is
	given	
Flammability	: 4 Seve	ere Hazard
Physical	: 0 Minin	imal Hazard

#### Prepared by safety and environmental affairs.

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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