# **MATERIAL SAFETY DATA SHEET**

Trade Name:	Johnsens Silicone DOT 5 Brake Fluid
MSDS NO.	7012
Revision Date:	04/01/2003

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Johnsens Silicone DOT 5 Brake Fluid SILICONE FLUID None CHEMTREC 1-800-424-9300 During normal business hours CST 817-645-6088.

Supplier:	Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033
	2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLW STEL
Polydimethylsiloxane (modified) 63148-62-9	90-100	None Established	None Established	None Established	None Established
Tributyl Phosphate 126-73-8	1-10	5 mg/m2 TWA	None Established	None Established	None Established

# 3. HAZARDS IDENTIFICATION

Emergency Overview:	Causes severe eye irritation. Will damage tissue. This material is a skin irritant. This product contains dimethylpolysiloxane which can generate small amounts of formaldehyde as a byproduct of oxidative thermal decomposition beginning at approximately 150 C (300 F). Exposure to formaldehdye can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential cancer hazard. Use good industrial hygiene practices to evaluate and control exposure to formaldehyde when warranted by conditions of use.
	4. FIRST AID MEASURES
Eye Contact:	Immediately absorb excess with clean absorbent cloth or cotton. Immediately flush eyes with large amounts of water for at least 15 minutes. If irritation or redness persists or signs of toxicity occur, seek medical attention.
Ingestion:	If victim is conscious and alert, give 1-2 glasses of water to drink. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.
Inhalation:	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Skin Contact:	For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and soap if available, for several minutes. Get medical attention if irritation occurs.

# 5. FIRE FIGHTING MEASURES

Flammable Prope	erties		
Flash Point °F(°C):		206 C (402 F)	
Flash Point Meth	od:	TAG Closed Cup	
Flammable Limit			
Flammable Limit			
Autoignition Tem	• •		
Extinguishing Me		Dry chemical. Foam. Carbon dioxide.	
Protection Of Fire			
Special Fire-Figh			
Hazardous Comb			
Aerosol Comments: Not Applicable			
		6. ACCIDENTAL RELEASE MEASURES	
	Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact. Spill Procedures: Ventilate spill area. Soak up material with absorbent and place in chemical waste container. Clean up residual material with an appropriate solvent like paint thinner or mineral spirits, provided that there is good ventilation and no source of ignition. Wash walking surfaces with detergent and water to reduce slipping hazard.		
Environmental P	Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.		
		7. HANDLING AND STORAGE	
Handling and Storage:		ning vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Store at between 41 - 77 F. Store tightly closed containers in cool,dry place. Use in a well ventilated area to prevent irritation by	

B. EXPOSURE CONTROLS/FERSONAL PROTECTION         Explorenting Controls:       Exhaust vertiliations. Showes Expressal stations.         Skin Protection:       Waar safety glasses or goggles to protect against exposure.         Respiratory Protection:       Use an approved MOSH organic vapor respirator below the TLV. IT LV is exceeded or overexposure is it use positive pressure or self-contained beacting apparatus. Check exposure finit guidelines for formaldel byproduct of oxidative thermal decomposition of dimethysiokane, if this product is handled above 150 C (F).         Purple viscous liquid.         Opperation:       DOPALESS         Apperation:       Purple viscous liquid.         Opperative:       ODONLESS         Apperative:       Not Determined         Boiling Print (F):       Not determined.         Builty Print (F):       Not determined.         Stable under normal conditions of handling. use and transportation.         Contient (%):       Not determined.         Stable under normal conditions of handling. use and transportation.         Contient (%):       Not determined.         Stable under noromal conditions of handling. use and transport	Trade Name: Joh				MSDS NO.	7012	
Eyes:         Wear safety glasses or gogles to protect against exposure.           Skin Protection:         Avoid skin contact. Wear protective coloning and gloves.           Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is it use positive pressure or self contained beaching apparatus. Check exposure limit guidelines for formaldel by product of exidative thermal decomposition of dimethylsiloxane, if this product is handled above 150 C ( F).           •         •         •           Appearance:         Purple viscous liquid.         Moltagines (Air 1): Not Determined by product is handled above 150 C ( F).           State of the determined.         Melling/Freezing Point: Not determined beaching paparature.         Not determined beaching for a part of the determined beaching paparature.           State of the determined beaching freezing Point:         Not determined beaching freezing Point: Not determined beaching freezing Point: Not determined beaching freezing Point: Not determined beaching freezing Point: Not determined beaching freezing Point: Not Determined beaching and glores.           State of the determined beaching freezing Point:         Not Determined beaching freezing Point: Not Determined beaching and glores.           State of the determined beaching freezing Point: Not determined beaching paparature.         Not Determined beaching freezing Point: Not Determined beaching paparature.           State of the onder freezing Point: Not Determined beaching paparature.         Not Determined beaching paparature.           State of the ondeta budge tof the onder freezi						ROTECTION	
Skin Protection:       Avoid skin contact. Wear protective clothing and gloves.         Respiratory Protection:       Use an approved NIOSA organic vapor respirator below the T.V. If T.V is exceeded or overexposure is ill use positive pressure or self contained breathing apparatus. Check exposure limit guidalines for formable byproduct of oxidative thermal decomposition of dimethylsiloxane. If this product is handled above 150 C (F).         9. PHYSICAL AND CHEMICAL PROPERTIES         Purple viscous liquid.         ODORLESS       ph Value:         Soling Point (F):       Not determined.         Melting/Freezing Point:       Not Determined         Soling Point (F):       Not determined.         Melting/Freezing Point:       Not Determined         Soling Point (F):       Not determined.         Melting/Freezing Point:       Not Determined         Inforcentive (K):       Point (F):         Not determined.       Decomposition Temperature:         Not Determined       Not Determined         Inforcentive (K):       Not determined:         Soling Point (F):       Not determined         Not Content(%):       Not determined         Inforcentive (K):       Stable under normal conditions of handling, use and transportation.         Inforcentive Stable under normal conditions of handling, use and transportation.       Stable under normal conditions of handling, use and transportation							
Bespiratory Protection:         Use an approved NIOSH organic vapor respiratory below the T.V. If T.V is exceeded or overexposure is it use positive pressure or selic contained breaking apparatus. Check exposure initing uddelines for formaldel byproduct of oxidative thermal decomposition of dimethylsiloxane, if this product is handled above 150 C ( );           Appearance:         Purple viscours liquid.           OOR:         S.         pH Value:         Not Determined           Soling Point:         Not Determined         Not Determined           Soling Point:         Not determined.         Melling/Freezing Point:         Not determined           Solubility:         Nature         Evaporation Rate         Not Determined           VOC Content(%):         Not determined.         Determined         Solubility:           Viscource         Stability:         24.43 cs @ 25 C.         Specific Gravity (H20-1):         .95 @ 25 C.           Content(%):         Not determined.         Decomposition formparature:         Not Determined           Content(%):         Not determined.         Decomposition Properature:         Not Determined           Content(%):         Not determined.         Decomposition formadel         Decomposition formadel           Content(%):         Not determined.         Decomposition formadel         Decomposition from anterials.           Materials to Avoid:         Stra							
use positive pressure or self contained breakting apparatus. Check exposure limit guidelines for formatele bypeduct of oxidative thermal decomposition of dimethylsiloxane, if this product is handled above 150 C ( p.). <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> Water and the point ("F): Not determined dolecular Weight: A to the termined dolecular Weight: Not determined dolecular Not determined dolecular Not determined dolecular Not determined <b>10. STABLITY AND REACTIVITY</b> The second of the second dolecular normal conditions of handling, use and transportation. Keep away from heat.sparks and flame, Avoid combustible materials. Ingredient/CAS No. wt. % Route Species Dose Polydimethylsiloxane (modified) 90-100 Oral Rats LD50 - 17 gm/kg G3148-62-9 Tributy Phosphate 1-10 Inhalation Rats LD50 - 17 gm/kg data des 20-9 Tributy Phosphate 1-10 Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Under certain conditions, this product may generate formaldelpyde as a byproduct of oxidative thermal decompositi Under certain conditions, this product may generate formaldelpyde as a byproduct of oxidative thermal decompositi Under certain conditions, this product may generate formaldelpyde as a byproduct of oxidative thermal decompositi Difference of the second of the s				•	0 0		and a discussion of the Physics
byproduct of oxidative thermal decomposition of dimethylsiloxane, if this product is handled above 150 C ( F).           Jappearance:       Purple viscous liquid.         Agor Pressure:       - 1 mmHg @ 20 C.         Vapor Density (Air=1):       Not Determined         Joint (*F):       Not determined.         Melting/Freezing Point:       Not Determined         Joint (*G):       Not determined.         Joint (*G):       Stability:         Stability:       Stability:         Stability:       Stability:         Stability:       Stability:         Stability:       Stability:         Stability:       Stability:         Stability: <t< td=""><td>Respiratory Protection:</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Respiratory Protection:						
F:         9. PHYSICAL AND CHEMICAL PROPERTIES         Speciarance:       Purple viscous liquid.         Odor:       ODORLESS       pH Value:       Not Determined         Soling Point ("F):       Not determined.       Multing/Freezing Point:       Not Determined         Soling Point ("F):       Not determined.       Multing/Freezing Point:       Not Determined         Idecular Weight:       Mixture       Exaporation Rate:       Not Determined         Idecular Weight:       Stable under normal conditions of handling, use and transportation.       Keep away from heat,sparks and flame. Avoid combustible materials.         Atteriats to Avoid:       Strong acids and bases Strong oxidiaria genets.       Strong acids and bases Strong oxidiaria genets.         tarardous Peopmerization:       YILL NOT OCCUM       11. TOXICOLOGICAL INFORMATION       Not Listed         Polydimethylsiloxane (modified)       90-100       Oral       Rats       LD50 >17 gm/kg							
9.         PHYSICAL AND CHEMICAL PROPERTIES           Appearance:         Purgle viscous liquid.         pH Value:         Not Determined           Apor Tressure:         <.1 mmHg @ 20 C.			•	ative thermal decompos	ition of almethy	isiloxane, ir this produc	ct is nandled above 150 C (300
bior: ODÖRLESS PHValue: Not Determined appr Pressure: 4.1 mmhg @ 20 C. Vapor Density (Air=1): Not Determined solling Point (°F): Not determined. biublity in Water: INSOLUBLE Bulk Density at 20°C: Not Determined fiscosity: 42-43 cs @ 25 C. Specific Gravity (H20-1): Stable under normal conditions of handling, use and transportation. COC Content(%): Not determined. Decomposition Temperature: Not Determined fiscosity: Keep away from heat.sparks and flame. Avoid combustible materials. Strong acids and bases Strong oxidizing agents. Hazardous Decomposition Products: Formaldehyde. Dimethylcyclosiloxanes. WILL NOT OCCUR 11. TOXICOLOGICAL INFORMATION Foxicological Data: Polydimethylsiloxane (modified) 90-100 Oral Rats LD50 >17 gm/kg G148-62-9. Tributyl Phosphate 1-10 Inhalation Rats LC50 28 gm/m3/H, LI gm/kg Carcinogenicity: Ingredient/CAS No. vt. % IARC NTP OSHA Polydimethylsiloxane (modified) 90-100 Not Listed		.,		ICAL AND CHEMI	CAL PROP	ERTIES	
Japop Pressure:       <1 mmHg @ 20 C.							
Solilling Point (*F):       Not determined.       Metiting/Freezing Point:       Not determined.         Solubility in Water:       INSOLUBLE       Bulk Density at 20°C:       Not Determined         Molecular Weight:       Mixture       Evaporation Rate:       Not Determined         Molecular Weight:       42-43 os @ 25 C.       Decomposition Temperature:       Not Determined         MOC Content(%):       Not determined.       Decomposition Temperature:       Not Determined         Scheding Stability:       42-43 os @ 25 C.       Decomposition Temperature:       Not Determined         Scheding Stability:       Stable under normal conditions of handling: use and transportation.       Scheding Stability:       Not determined         Scheding Stability:       Stable under normal conditions of handling: use and transportation.       Scheding Stability:       Stability:         Scheding Stability:       Stable under normal conditions of handling: use and transportation.       Scheding Stability:       Strong acids and bases Strong oxidizing agents:         Staardous Decomposition Products:       Formaldehyde.       Dimethylocyclosiloxanes and methylphenylocyclosiloxanes.         Staardous Decomposition Products:       Formaldehyde.       Dimethylocyclosiloxanes and methylphenylocyclosiloxanes.         Itazardous Decomposition Products:       Formaldehyde.       Dimethylocyclosiloxanes and methylphenylocyclosiloxan							
Solubility in Water:       INSOLUBLE       Bulk Density at 20°C:       Not Determined         Notecular Weight:       Mixture       Evaporation Rate:       Not Determined         Not Content(%):       Not determined.       Decomposition Temperature:       Not Determined         10.       STABILITY AND REACTIVITY       Not Determined         Conditions to Avoid:       Keep away from heat, sparks and flame. Avoid combustible materials.       Not Determined         Atteriats to Avoid:       Keep away from heat, sparks and flame. Avoid combustible materials.       Not Determined         Atteriats to Avoid:       Formaldehyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.       Hull. NOT OCCUR         11.       TOXICOLOGICAL INFORMATION       Toxicological Data:       Ingredient/CAS No.       wt. %       Route       Species       Dose         Polydimethylsiloxane (modified)       90-100       Oral       Rats       LD50 >17 gm/kg       63148-62-9         Tributy Phosphate       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LI       gm/kg         Carcinogenicity:       Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         StateAc2-9       Tributyl Phospha							
Molecular Weight:       Mixture       Evaporation Rate:       Not Determined         Inscosity:       42-43 cs @ 25 C.       Specific Gravity (H2=1);       .958 @ 25 C.         /OC Content(%):       Not determined.       Decomposition Temperature:       Not Determined         Image: Specific Gravity (H2=1);       .958 @ 25 C.       Decomposition Temperature:       Not Determined         Continues to Avoid:       Stable under normal conditions of handling, use and transportation.       Conductions to Avoid:       Keep away from heat, sparks and flame. Avoid combustible materials.         Materials to Avoid:       Strong acids and bases Strong oxidizing agents.       Hazardous Decomposition Products:       Formaldehyde, Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.         Hazardous Decomposition Products:       Formaldehyde, Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.       WILL NOT OCCUR         Ingredient/CAS No.       wt. %       Route       Specific Strong St						Not determined.	
//scosity:       42-43 cs @ 25 C.       Specific Gravity (H20=1):       .958 @ 25 C.         //OC Content(%):       Not determined.       Decomposition Temperature:       Not Determined         20       Stability:       Stable under normal conditions of handling, use and transportation.       Keep away from heat,sparks and flame. Avoid combustible materials.         Abterials to Avoid:       Keep away from heat,sparks and flame. Avoid combustible materials.       Strong axids and bases Strong axids axids axids axids axids axids axids axids axid					C:		
VOC Content(%):         Not determined.         Decomposition Temperature:         Not Determined           10.         STABILITY AND REACTIVITY         Intermined         Intermine         Intermined         Intermin							
10. STABILITY AND REACTIVITY           Chemical Stability:           Stable under normal conditions of handling, use and transportation.           Keep away from heat,sparks and flame. Avoid combustible materials.           Strong acids and bases Strong oxidizing agents.           FormidateHyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.           Hazardous Decomposition Products:           FormidateHyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.           VILL NOT OCCUR           NILL NOT OCCUR           Ingredient/CAS No.         wt. %           Route         Species           Polydimethylsiloxane (modified)         90-100           63148-62-9         1-10           Tributyl Phosphate         1-10           126-73-8         1-10           Polydimethylsiloxane (modified)         90-100           63148-62-9         1-10           Tributyl Phosphate         1-10           126-73-8         1-10           Polydimethylsiloxane (modified)         90-100           63148-62-9         1-10           Tributyl Phosphate         1-10           126-73-8         1-10           Polydimethylsiloxane (modified)         90-100           63148-62-9         1-10		42-43 cs @ 2	25 C.				
Chemical Stability:       Stable under normal conditions of handling, use and transportation.         Conditions to Avoid:       Keep away from heat,sparks and flame. Avoid combustible materials.         Hazardous Decomposition Products:       Formaldehyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.         Hazardous Polymerization:       Formaldehyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.         Hazardous Polymerization:       TO CCUR         11.       TOXICOLOGICAL INFORMATION         Formaldehyde.       To CUR         Ingredient/CAS No.       wt. %         Route       Species         Polydimethylsiloxane (modified)       90-100         G3148-62-9       Tributyl Phosphate         Thibutyl Phosphate       1-10         Ingredient/CAS No.       wt. %         Ingredient/CAS No.       wt. %         Ingredient/CAS No.       wt. %         Rats       LC50 >17 gm/kg         G3148-62-9       1-10         Inhalation       Rats         LC50 28 gm/m3/1H, LI       gm/kg         Carcinogenicity:       Ingredient/CAS No.       wt. %         Ingredient/CAS No.       wt. %       IARC       NTP         Objuint of S3148-62-9       Tributyl Phosphate       1-10       Not Listed       Not	/OC Content(%):	Not determin	ied.	•	•		
Conditions to Avoid:       Keep away from heat sparks and flame. Avoid combustible materials.         Materials to Avoid:       Strong acids and bases Strong oxidizing agents.         Hazardous Decomposition Products:       Formaldehyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.         WILL NOT OCCUR       WILL NOT OCCUR         Ingredient/CAS No.         wt. %       Route       Species         Polydimethylsiloxane (modified)       90-100       Oral       Rats       LD50 >17 gm/kg         63148-62-9       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LI         Thoutry Phosphate       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LI         Carcinogenicity:       Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed         Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         Thibutyl Phosphate       1-10       Not Listed       Not Listed			-				
Materials to Avoid:       Strong acids and bases Strong oxidizing agents.         Hazardous Decomposition Products:       Formaldehyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.         WILL NOT OCCUM       11. TOXICOLOGICAL INFORMATION         Toxicological Data:         Ingredient/CAS No.       wt. %         Route       Species         Polydimethylsiloxane (modified)       90-100         G3148-62-9       1.10         Tributyl Phosphate       1-10         Inhalation       Rats       LD50 >17 gm/kg         gm/kg       267-7-8         Carcinogenicity:         Ingredient/CAS No.       wt. %         Ingredient/CAS No.       wt. %         Inhalation       Rats       LD50 >17 gm/kg         G3148-62-9       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LI         Tributyl Phosphate       1-10       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed         Tributyl Phosphate       1-10       Not Listed       Not Listed       <							
Hazardous Decomposition Products:       Formäldehyde. Dimethylcyclosiloxanes and methylphenylcyclosiloxanes.         Hazardous Polymerization:       VILL NOT OCCUR         11. TOXICOLOGICAL INFORMATION         Toxicological Data:       Not Experies       Dose         Polydimethylsiloxane (modified)       90-100       Oral       Rats       LD50 >17 gm/kg         S148-62-9       Tributyl Phosphate       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LI         Carcinogenicity:       Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed       Not Listed         Tributyl Phosphate       1-10       Not Listed       Not Listed       Not Listed       Not Listed         126-73-8						ustible materials.	
Hazardous Polymerization:         WILL NOT OCCUR           11. TOXICOLOGICAL INFORMATION           Toxicological Data:           Ingredient/CAS No.         wt. %         Route         Species         Dose           Polydimethylsiloxane (modified)         90-100         Oral         Rats         LD50 >17 gm/kg           63148-62-9         1-10         Inhalation         Rats         LC50 28 gm/m3/1H, LI gm/kg           126-73-8         1-10         Inhalation         Rats         LC50 28 gm/m3/1H, LI gm/kg           Carcinogenicity:         Ingredient/CAS No.         wt. %         IARC         NTP         OSHA           Polydimethylsiloxane (modified)         90-100         Not Listed		oducts.				henvlovclosilovanes	
11. TOXICOLOGICAL INFORMATION         Toxicological Data:       Ingredient/CAS No.       wt. %       Route       Species       Dose         Polydimethylsiloxane (modified)       90-100       Oral       Rats       LD50 >17 gm/kg         63148-62-9       Tributyl Phosphate       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LI gm/kg         Carcinogenicity:         Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed       Not Listed         Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition       Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition		ouuois.				nenyloyoloonoxaneo.	
Ingredient/CAS No.         wt. %         Route         Species         Dose           Polydimethylsiloxane (modified)         90-100         Oral         Rats         LD50 >17 gm/kg           63148-62-9         Tributyl Phosphate         1-10         Inhalation         Rats         LC50 28 gm/m3/1H, LI gm/kg           126-73-8         1-10         Inhalation         Rats         LC50 28 gm/m3/1H, LI gm/kg           Carcinogenicity:         Ingredient/CAS No.         wt. %         IARC         NTP         OSHA           Polydimethylsiloxane (modified)         90-100         Not Listed         Not L							
Ingredient/CAS No.     wt. %     Route     Species     Dose       Polydimethylsiloxane (modified)     90-100     Oral     Rats     LD50 >17 gm/kg       63148-62-9     Tributyl Phosphate     1-10     Inhalation     Rats     LC50 28 gm/m3/1H, LD       Tributyl Phosphate     1-10     Inhalation     Rats     LC50 28 gm/m3/1H, LD       Tributyl Phosphate     1-10     Inhalation     Rats     LC50 28 gm/m3/1H, LD       Carcinogenicity:     Vert %     IARC     NTP     OSHA       Polydimethylsiloxane (modified)     90-100     Not Listed     Not Listed     Not Listed       Polydimethylsiloxane (modified)     90-100     Not Listed     Not Listed     Not Listed       Tributyl Phosphate     1-10     Not Listed     Not Listed     Not Listed			11.	ONICOLOGICAL			
Polydimethylsiloxane (modified)     90-100     Oral     Rats     LD50 >17 gm/kg       63148-62-9 Tributyl Phosphate     1-10     Inhalation     Rats     LC50 28 gm/m3/1H, LI gm/kg       LCso 28     gm/m3/1H, LI gm/kg       Carcinogenicity:       Ingredient/CAS No.     wt. %     IARC     NTP     OSHA       Polydimethylsiloxane (modified)     90-100     Not Listed     Not Listed     Not Listed       Folydimethylsiloxane (modified)     90-100     Not Listed     Not Listed     Not Listed       Tributyl Phosphate     1-10     Not Listed     Not Listed     Not Listed	-		wt %	Route		Species	Dose
63148-62-9       Tributyl Phosphate       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LL gm/kg         Carcinogenicity:       Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed         Tributyl Phosphate       1-10       Not Listed       Not Listed       Not Listed       Not Listed         Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition       Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition	ingredient/CAS No.		WL. 70	Route		opecies	Dose
Tributyl Phosphate       1-10       Inhalation       Rats       LC50 28 gm/m3/1H, LL gm/kg         226-73-8       Carcinogenicity:       Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed         Tributyl Phosphate       1-10       Not Listed       Not Listed       Not Listed       Not Listed         Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition       Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition		ied)	90-100	Oral		Rats	LD50 >17 gm/kg
126-73-8       gm/kg         Carcinogenicity:       Ingredient/CAS No.       wt. %       IARC       NTP       OSHA         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed       Not Listed         Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         Tributyl Phosphate       1-10       Not Listed       Not Listed       Not Listed         Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition       Magenerate formaldehyde as a byproduct of oxidative thermal decomposition			1-10	Inhalation		Rats	LC50 28 gm/m3/1H, LD50 3
Ingredient/CAS No.wt. %IARCNTPOSHAPolydimethylsiloxane (modified)90-100Not ListedNot ListedNot Listed63148-62-9Tributyl Phosphate1-10Not ListedNot ListedNot Listed126-73-8Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition	126-73-8						
Ingredient/CAS No.wt. %IARCNTPOSHAPolydimethylsiloxane (modified)90-100Not ListedNot ListedNot Listed63148-62-9Tributyl Phosphate1-10Not ListedNot ListedNot Listed126-73-8Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition							
Polydimethylsiloxane (modified)       90-100       Not Listed       Not Listed       Not Listed         63148-62-9       Tributyl Phosphate       1-10       Not Listed       Not Listed       Not Listed         126-73-8       Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposition       Not Listed       Not Listed	Carcinogenicity:						
63148-62-9 Tributyl Phosphate 1-10 Not Listed Not Listed Not Listed 126-73-8 Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposi	Ingredient/CAS No.		wt. %	IARC		NTP	OSHA
126-73-8 Under certain conditions, this product may generate formaldehyde as a byproduct of oxidative thermal decomposi		ïed)	90-100	Not Listed		Not Listed	Not Listed
	Tributyl Phosphate		1-10	Not Listed		Not Listed	Not Listed
		Under cer					
12. ECOLOGICAL INFORMATION			12.	ECOLOGICAL IN	FORMATIO	N	

Ecological testing has not been conducted on this product.

# 13. DISPOSAL CONSIDERATION Waste Classification: Not an EPA hazardous Waste. Waste Management: Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. Disposal should be made in accordance with federal, state and local regulations.

### **14. TRANSPORTATION INFORMATION**

U.S. DOT:	
Proper Shipping Name:	Not Regulated
Hazard Class:	Not Applicable
UN/NA Number:	Not Applicable
DOT Packing Group:	Not Applicable
IMDG:	
Proper Shipping Name:	Not Regulated
Hazard Class:	Not Applicable
Hazard Subclass:	Not Applicable
UN No.:	Not Applicable
Packing Group:	Not Applicable
Marine Pollutant:	Not Determined.
	15. REGULATORY INFORMATION

#### **US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Polydimethylsiloxane (modified) 63148-62-9	90-100	Not Listed	Not Listed	NA	NA
Tributyl Phosphate 126-73-8	1-10	Not Listed	Not Listed	NA	NA

#### SARA 311/312 Hazard Catagories: Not Determined.

#### State Regulations:

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Polydimethylsiloxane (modified) 63148-62-9	90-100	Not Listed	Not Listed	Not Listed	Not Listed
Tributyl Phosphate 126-73-8	1-10	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA:	The components of this product are listed on the TSCA Inventory.

# OTHER INFORMATION

**General Notes:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. **Disclaimer:** 

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