Print Date: 5/1/2017

PRODUCT NAME: SOL 600: RED

REVISION DATE: May 1st 2017

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name: SOLUTION 600 MRO SOLUTIONS 5645 HOWARD ST NILES, IL 60714 PHONE: 847-588-2480 EMERGENCY #: 800-424-9300

General Description: Silicone elastomer Physical Form: Paste Color: Red Odor: Acetic acid odor

NFPA PROFILE: Health – 1 Flammability – 1 Instability/Reactivity - 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

Physical Hazards:Not classifiedHealth Hazards:Reproductive toxicity (fertility)Category 2Environmental Hazards:Not classifiedOSHA Defined Hazards:Not classifiedHazards not stated Here are "Not Classified", "Not Applicable" or Classification not possible".

IS Label Elements			
Signal Word:	Warning V		
Hazard Statement:	Suspected of damaging fertility.		
	ain special instructions before use. Do not handle until all safety		
•	s have been read and understood. Wear protective gloves / Prevention:		
-	rotection / face protection. Wash well after handling. Contaminated		
	be allowed out of work place.		
Response:	SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell. EYES: Rinse cautiously with water for several minutes. Remove contact		
	lenses, if present and easy to do. Continue rinsing. If eye irritant persists get medical attention / advice.		
	If exposed or concerned: get medical attention or advice. Take off contaminated clothing and wash it before reuse.		
Storage:	Store locked up.		
Disposal:	Disposal of contents / container in accordance with local / regional / state / federal and international regulations.		
Hazard(S) not Otherwise	None known.		
classified (HNOC):			
Supplemental Information:	None known.		
Substance(s) formed This	product reacts with water, moisture or humid air to evolve under the		
conditions of following co	ompounds: Acetic acid		
use:	The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.		
HMIS (Ratings):	Health: 1		
	Flammability: 1		
	Physical hazard: 0		

3. COMPOSITION/ INGREDIENTS

Methylacetoxysilane4253-34-31Titanium oxide13463-67-7	emical Name		CAS Number	%
Titanium oxide 13463-67-7	Ethyltriacetoxysilane		17689-77-9	1 - 5
				1 – 5 < 1
Distallates (petroleum), hydrotreated middle 64742-46-7 1				
	Distallates (petroleum), hydrotreated middle		64742-46-7	1-7
Octamethylcyclotetrasiloxane (impurity) 556-67-2	Octamethylcyclotetrasiloxane (impurity)		556-67-2	< 1

Skin Contact:	Wash off with soap and plenty of 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 use.
Eyes Contact:	
	Immediately flush with plenty of water for at least 15 minutes.
	Remove contact lenses, if present and easy to do. Continue rinsing.
	Get medical attention if irritation developed or persists.
Ingestion: Wash out m	nouth. Get medical attention immediately. Most Important
•	eyes may cause temporary irritation.
symptoms / effects, acut	
symptoms / checks, acat	
and delayed:	
•	
Indication of immediate	
and delayed: Indication of immediate Medical attention and	
Indication of immediate Medical attention and Special treatment	
Indication of immediate Medical attention and	

5. FIRE FIGHTING MEASURES

Suitable extinguishing Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2 **media:** Unsuitable extinguishing None known. **media:**

Specific hazards arising By heating and fire, harmful vapors / gases may be formed. **from the chemical:**

Specific protectiveFirefighters must use standard protective equipment including flameequipment andretardant coat, helmet, gloves, rubber boots and self-contained precautionsforbreathing apparatus. firefighters:Fire Fighting equipmentfrom fire area if you can do so without risk./ Instructions:

General fire hazards: No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions,
protective equipmentKeep unnecessary personnel away. Local authorities should be
advised if significant spillages cannot be contained. Do not touch or and
emergencyemergencywalk through spilled material. Ensure adequate ventilation. Wear procedures
appropriate personal protective equipment.

Methods and materials	Eliminate sources of ignition.
for containment and	Large Spills: Dike the spilled material, where this is possible.
cleaning up:	Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal.
	Small Spills: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for reuse.
Environmental Prevent f	further leakage or spillage if safe to do so. precautions:

7. HANDLING AND STORAGE

Precaution for safe Provide adequate ventilation. Use care in handling/storage. Obtain handling: special instructions before use. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant and breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid contact with eyes.

Avoid contact with skin. Avoid long term exposure. Conditions for safe Stored locked up. Keep container tightly closed. Keep out of reach of storage, Including any children. Store in a cool dry place out of direct sunlight. Keep in incompatibilities original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION				
Occupational exposure limits	Air Contominants /20 CED 1010 1	000)		
	Air Contaminants (29 CFR 1910.1	•	N/-1 -	
Components	CAS #	Туре	Value	
Titanium oxide	13463-67-7	PEL	15 mg/m3	
Decomposition				
Acetic acid	64-19-7	PEL	25 mg/m3	
	10 ppm 🛛 US	6. ACGIH Threshol	d Limit Values	
Components				
Titanium dioxide	13463-67-7	TWA	10 mg/m3	
Decomposition				
Acetic acid	64-19-7	STEL	15 ppm	
		TWA	10 ppm	
US. NIOSH: Pocket Guide to Chem	ical Hazards			
Decomposition				
Acetic acid	64-19-7	STEL	37 mg/m3	
			15 ppm	
		TWA	25 mg/m3	
			10 ppm	
Biological limit values:	No biological exposure limits for t	he ingredient(s).		
•	te general and local exhaust. Pro	• • • •	.pp. op	
	5			
controls:	station. Pay attention to ver			
	exhaust, mechanical and or	-	: least 24	
	hours after application			
-	s such as personal protective eq	=		
Eye / Face protection:	Tightly sealed safety glasse	s according to EN 1	166.	

Skin / Hand protection: C Respiratory protection: If airbor	Other: Wear protective gloves. Wear suitable protective clothing. The concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary.
General Hygiene Considerations:	Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food or drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the work place. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	
Form:	Paste
Color:	Red
Odor:	Acetic acid odor
Odor Threshold:	Not available
pH:	Not available
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash Point:	141.8 °F (> 96 ⁰ C) Closed cup
Evaporative rate:	< 1 (Butyl Acetate = 1)
Flammability (solid, gas):	Not applicable
Upper / Lower flammability or explosive limits:	
Flammability limit – lower (%):	No data
Flammability limit – upper (%):	No data
Explosive limit – Lower (%):	Not available
Explosive limit – Upper (%):	Not available
Vapor pressure:	Negligible (25 ⁰ C)
Vapor density:	> 1 (air=1)
Relative density:	1.04 (25 ^o C)
Solubility (water):	Not soluble
Partition coefficient:	Not applicable

(n-octanol / water)No dataAuto-ignition temperature:No dataDecomposition temperature:Not availableWolecular weight:Not applicable

10. STABILITY AND REACTIV	ΊΤΥ		
Reactivity	No hazardous reaction known under normal conditions of use, storage and transport.		
Chemical stability	Stable at normal conditions.		
Possibility of hazardous	Hazardous polymerization does not occur.		
Reactions			
Conditions to avoid	None known.		
Incompatible materials	Strong oxidizing agents. Water and moisture.		
Hazardous decomposition	This product reacts with water, moisture, or humid air to evolve		
products: following of	compounds. Acetic acid.		
	Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.		

11. TOXICOLOGICAL INFORMATION					
Information on li	kely routes of exposure				
Ingestion:	tion: Expected to be a low ingestion hazard.				
Inhalation:	Inhalation: Prolonged inhalation may be harmful.				
Skin contact:	Skin contact: No adverse effects due to skin contact are expected.				
Eye contact: Direct contact with eyes may cause temporary irritation.					
Symptoms related to the Direct contact with eyes may cause temporary irritation.					
physical, chemica		al characteri	stics: Informatio	on on	
toxicological effe	cts				
Acute toxicity					
Toxicological data	а				
Decomposition					
		CAS #	Species	Test Results	
Acetic acid		64-19-7			
Acute					
Dermal					
LD50	Rabbit 1060 mg/kg	Inhalatio	n		
LC 50			Guinea	5000 ppm, 1 hours	
			Pig		
			Mouse	5620 ppm, 1 hours	
			Rat	11.4 mg/l, 4hours	

Oral					
LD50		Mouse	4960 mg/kg	g	
		Rabbit	1200 mg/kg		
		Rat	3.31 g/kg		
Skin corrosion / irritation:	Causes severe skin k	ourns and eye	damage. (Acetic acid)		
			ctamethylcyclotetrasil		
Serious eye damage/eye irritation	•	•		,	
	-		hylcycotetrasiloxane)	Respiratory	
Sensitization: Not available.					
Skin Sensitization:	No evidence of sens	itization (Octa	amethylcycotetrasiloxa	ane)	
Germ Cell Mutagenicity:	Negative (Bacteria)	(Octamethylcy	vcotetrasiloxane)		
Carcinogenicity:	The following mater	ial is embedde	ed in the product and	not	
	available as respirabl	e dusts. When	n used as intended or a	as supplied,	
the product will not pose hazards. ⁻	•			••	
13463-67-7) Evaluation of Carcin	ogenicity. 2B Poss	ibly carcinoge	nic to humans.		
OSHA Specifically	Not listed				
Regulated Substances (29 CFR 191	0.1001-1050):				
Reproductive Toxicity:	Octamethylcyclotet	rasiloxane adr	ninistered to rats by w	hole body	
	inhalation at concentrations of 500 and 700 ppm for 70 days prior to				
	mating, through mati	ng, gestation	and lactation resulted	in	
	decreases in live litter size. Additionally, increases in the incidence of				
			ver an unusually long t		
			concentrations. Statist	-	
			meters were not obse	-	
		-	00 and 70 ppm). In a p		
			o vapor concentration		
		=	of implantation sites a		
	• •		ngs to humans is not k		
	(Octamethylcyclotetr				
	(octamethyleycloteth	usiloxuncy			
Specific target organ toxicity –	Not available single ex	posure:			
Specific target organ toxicity –	Repeated inhalation o	-	e of mice and rats to r	epeated	
	asiloxane produced an ir			•	
• , ,	•		nt clinical chemistry ef	fects were	
	• • •	-	bolizing enzymes, as v		
			f normal cells (hyperpl		
			(hypertrophy) were de	•	

	to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs /day, 5 days a week for up to 104 weeks to 0, 10, 30, 150 or 700 ppm of Octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700 ppm. Since these effects only occurred at 700 ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing Octamethylcyclotetrasiloxane would result in a significant risk to humans. (Octamethylcyclotetrasiloxane)
Aspiration hazard:	Not available
Chronic effects:	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Further Information:	This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid.

12. ECOLOGICAL CONSIDERATIONS

Ecotoxicity			
•	siloxane: May cause	e long lasting harmful effect	s to aquatic life.
Componente		Charles	Test Results
Components Titopium ouide		Species	Test Results
Titanium oxide			
(CAS 13463-67-7)			
Aquatic			
		Crustacea EC50 1000 mg/l, 48 hours ma	Water Flea (Daphnia > agna)
Fish	LC50	Mummichog (Fundulus Heteroclitus)	> 1000 mg/l, 96 hours
Decomposition			
Acetic acid			
(CAS 64-19-7)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia Magna)	65 mg/l, 48 hours
Fish	LC50	Bluegill (Leponis Macrochirus)	75mg/l, 96 hours
Persistence and degradability: No Bioaccumulative potential: Bio co Octamethylcyclotetrasiloxane. Mobility in Soil: Not available. Other adverse effects: Not availab	oncentration Factor	(BCF) / (Flathead minnow):	: 12400

13. DISPOSAL CONSIDERATIONS

Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

14. TRANSPORT INFORMATION

DOT: Not regulated as dangerous good.IATA: Not regulated as dangerous good.IMDG: Not regulated as dangerous good.

Transport in bulk according toThis product is not intended to be transported in bulk. AnnexII of MARPDL 73/78 and The IBC Code:

15. REGULATORY INFORMATION			
US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed			
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) SARA			
313 (TRI reporting)			
US State Regulations Massachusetts: Substance List: Titanium oxide (CAS 13463-67-7) 			
 New Jersey Worker and Community Right to Know Act: Titanium oxide (CAS 1346367- 7) 			
 Pennsylvania Worker and Community Right to Know Act: Titanium oxide (CAS 13463- 67-7) - Rhode Island RTK: Not regulated. 			
 California Proposition 65: The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. 			
- US California Proposition 65 – CRT: Listed date / Carcinogenic substance Titanium oxide (CAS 13463-67-7) Listed: September 2, 2011			

International Inventories			
Country(s) or region	Inventory Name	On Inventory (yes/no)*	
Australia	Australian Inventory of Chemical Substances (AICS)	Yes	
Canada	Domestic Substances List (DSL)	Yes	
Canada	Non Domestic Substances (NDSL)	No	
China	Inventory of Existing Chemical Substances in China	Yes	
	(IECSC)		
Europe	European Inventory of Existing Commercial Chemicals	Yes	
Europe	European List of Notified Chemical Substances (ELINCS)	No	
Japan	Inventory of Existing and New Chemical Substances	Yes	
(ENCS)			
Korea	Existing Chemicals List (ECL)	Yes	
New Zealand	New Zealand Inventory	Yes	
Philippines	Philippine Inventory of Chemicals and Chemical	Yes	
Substances			
Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes	
United States	Toxic Substances Control Act (TSCA) Inventory	Yes	
A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country.			
A "No" indicates that one or more components of the product are not listed or exempted from listing on			
the inventory administered by the governing country.			

16. OTHER INFORMATION