# SAFETY DATA SHEET

Issuing Date 21-Jan-2016

Revision Date 28-Dec-2016

**Revision Number** 0

NGHS / English



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# 1. IDENTIFICATION

**Product identifier** 

Product Name Flex Seal Liquid

Other means of identification

Product Code(s) 1307683

Recommended use of the chemical and restrictions on use

Recommended Use Sealant - Other

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Swift Response LLC

Address 2690 Weston Road, Suite #200

Weston FL 33331 US

Telephone Phone:954-282-5400

E-mail vsilverstein@swiftdrtv.com

Emergency telephone number

**Company Emergency Phone** 

Number

954-282-5400

# 2. HAZARDS IDENTIFICATION

#### Classification

Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Flammable liquids	Category 3



#### Appearance Color

# Physical state Viscous liquid Liquid

#### **Odor** Neutral

## GHS Label elements, including precautionary statements

## Warning

#### **Hazard statements**

May cause an allergic skin reaction Suspected of causing cancer Suspected of damaging fertility or the unborn child Flammable liquid and vapor



## **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Use only non-sparking tools

Take precautionary measures against static discharge

# **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

## Skin

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

#### Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

#### **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Other information

Causes mild skin irritation.

# Unknown acute toxicity

44.5 % of the mixture consists of ingredient(s) of unknown toxicity

37 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

39.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity



Page 2/12

44.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

44.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

44.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

## **Substance**

Not applicable.

#### **Mixture**

Chemical name	CAS-No	Percent	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Nepheline syenite	37244-96-5	25	-	-
Titanium dioxide	13463-67-7	5	-	-
Octamethylcyclotetrasilox	556-67-2	5	-	-
ane				
2-Butanone, O,O`,O``-(methylsilylidyn e)trioxime	22984-54-9	4	-	-
Carbon black	1333-86-4	3	-	-
Silica, amorphous, fumed, crystal-free	112945-52-5	2.5	-	-

# 4. FIRST AID MEASURES

First aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

**Inhalation** Remove to fresh air.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or

allergic reactions see a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s)

involved, take precautions to protect themselves and prevent spread of contamination. Use

personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

**Symptoms** Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.



Page 3/12

## 5. FIRE-FIGHTING MEASURES

Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. Suitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient. Unsuitable extinguishing media

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

**Hazardous Combustion Products** Carbon oxides.

**Explosion Data** 

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

# 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment as required. See Personal precautions

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the

product must be grounded. Do not touch or walk through spilled material.

Other Information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor Methods for containment

suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other

non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

# Precautions for safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, Advice on safe handling

hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable



respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

## Conditions for safe storage, including any incompatibilities

**Storage Conditions** 

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

Exposure Limits

Chemical name		ACGIH TLV		OSHA PEL		NIOSH IDLH		
Titanium dioxide	Titanium dioxide TWA		ıg/m³	g/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup> total dust		IDLH: 5000 mg/m <sup>3</sup>		
13463-67-7				(vacated) TV	(vacated) TWA: 10 mg/m³ total		-	
			dust					
Carbon black		TWA: 3 mg/m <sup>3</sup> inhalable			TWA: 3.5 mg/m <sup>3</sup>		IDLH: 1750 mg/m <sup>3</sup>	
1333-86-4		particulate r	natter	(vacated)	TWA: 3.5 mg/m <sup>3</sup>		TWA: 3.5 mg/m <sup>3</sup>	
							: 0.1 mg/m³ Carbon black	
						in presence of Polycyclic		
						aron	natic hydrocarbons PAH	
Silica, amorphous, fum-	ed,	10 mg/n	n <sup>3</sup>	TWA: 20 mp	pcf; ((80)/(% SiO2)		IDLH: 3000 mg/m <sup>3</sup>	
crystal-free					mg/m³)	TWA: 6 mg/m <sup>3</sup>		
112945-52-5								
Chemical name	Alberta		British Columbi		Ontario TWAE		Quebec	
Nepheline syenite					TWA: 10 mg/m	1 <sup>3</sup>		
37244-96-5								
Titanium dioxide	Т	WA: 10 mg/m <sup>3</sup>	TWA: 1	0 mg/m <sup>3</sup>	TWA: 10 mg/m	1 <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	
13463-67-7			TWA: 3	3 mg/m <sup>3</sup>			_	
Carbon black	T	WA: 3.5 mg/m <sup>3</sup>	TWA: 3	3 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>		3	TWA: 3.5 mg/m <sup>3</sup>	
1333-86-4		-		-				

**Other Exposure Guidelines** 

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.



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exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** 

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties** 

Physical state Viscous liquid; Liquid

Appearance Color Odor Neutral

ColorNo information availableOdor ThresholdNo information available

Property Values Remarks Method

pH UNKNOWN

Melting / freezing pointNo data availableNone knownBoiling point / boiling rangeNo data availableNone known

**Flash Point** 53 C / 128 F

Evaporation RateNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability Limit in AirNone known

Upper flammability limit

No data available

Lower flammability limit

No data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone known

Relative density 1

Water Solubility Insoluble in water

Solubility(ies) No data available None known

Partition coefficient: n-octanol/water0

Autoignition temperatureNo data availableNone knownDecomposition temperatureNo data availableNone knownKinematic viscosityNo data availableNone known

Dynamic viscosity 0

Other Information

**Explosive properties** No information available **Oxidizing properties** No information available No information available **Softening Point** No information available **Molecular Weight VOC Content (%)** No information available **Liquid Density** No information available **Bulk Density** No information available **Particle Size** No information available **Particle Size Distribution** No information available

# 10. STABILITY AND REACTIVITY

**Reactivity** No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.



Page 6/12

Conditions to avoid Heat, flames and sparks.

**Incompatible materials**None known based on information supplied.

Hazardous Decomposition Products Carbon oxides.

# 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available. May cause sensitization by

skin contact. (based on components). Repeated or prolonged skin contact may cause

allergic reactions with susceptible persons.

**Ingestion** Specific test data for the substance or mixture is not available.

#### Information on toxicological effects

Symptoms Itching. Rashes. Hives.

## Numerical measures of toxicity

#### **Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 34,378.00 mg/kg **ATEmix (dermal)** 30,250.00 mg/kg

**Unknown acute toxicity** 44.5 % of the mixture consists of ingredient(s) of unknown toxicity

37 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

39.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

44.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

44.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

44.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## **Component Information**

compenent information				
Chemical name	Chemical name Oral LD50		Inhalation LC50	
Titanium dioxide > 10000 mg/kg ( Rat )		-	-	
Octamethylcyclotetrasiloxane > 4800 mg/kg ( Rat )		> 2400 mg/kg ( Rat) > 4640 mg/kg ( Rabbit )	= 36 g/m³ (Rat) 4 h	
Carbon black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-	
Silica, amorphous, fumed, crystal-free	= 3160 mg/kg (Rat)	-	-	

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** May cause sensitization by skin contact.



Germ cell mutagenicity No information available.

Carcinogenicity Classification based on data available for ingredients. Contains a known or suspected

carcinogen. This product contains titanium dioxide in a non-respirable form. Inhalation of

titanium dioxide is unlikely to occur from exposure to this product.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	
Titanium dioxide	Titanium dioxide -		-	X	
13463-67-7					
Carbon black 1333-86-4	A3	Group 2B	-	Х	
Silica, amorphous, fumed, crystal-free 112945-52-5	-	Group 3	-	-	

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)** 

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity Classification based on data available for ingredients. Contains a known or suspected

reproductive toxin.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

**Aspiration hazard** No information available.

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to	Daphnia Magna (Water	
			Microorganisms	Flea)	
Octamethylcyclotetrasilox	-	96h LC50: > 0.022 mg/L	-	24h EC50: = 25.2 mg/L	
ane		(Oncorhyncus mykiss)			
		96h LC50: > 1000 mg/L			
	(Lepomis macrochirus)				
		96h LC50: > 500 mg/L			
		(Brachydanio rerio)			
Carbon black	-	-	-	24h EC50: > 5600 mg/L	

Persistence and Degradability

No information available.

#### **Bioaccumulation**

Chemical name	Log Pow		
Octamethylcyclotetrasiloxane	5.1		

Mobility

No information available.

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Other adverse effects No information available.

# 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused

products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld

containers.

**US EPA Waste Number** D001

**California Waste Codes** 331

# 14. TRANSPORT INFORMATION

**NOT REGULATED** DOT

**Emergency Response Guide** 

Number

TDG

UN-No. UN1993

**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.

128

**Hazard Class** 3 **Packing Group** Ш

Description UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III

MEX

UN1993 UN-No.

**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.

**Hazard Class** 3 **Packing Group** 

Description UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III

**ICAO** 

UN-No. UN1993

**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.

**Hazard Class** 

**Packing Group** 

Description UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III

**IATA** 

UN1993 UN-No.

**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.

**Hazard Class** 3 **Packing Group** Ш **ERG Code** 

Description UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III



IMDG/IMO

**UN-No.** UN1993

Proper Shipping Name FLAMMABLE LIQUID, N.O.S.

Hazard Class 3
Packing Group III
EmS-No. F-E, S-E

**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III, (53°C C.C.)

RID

**UN-No.** UN1993

Proper Shipping Name FLAMMABLE LIQUID, N.O.S.

Hazard Class 3
Packing Group III
Classification code F1

Description UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III

ADR/RID-Labels 3

<u>ADR</u>

**UN-No.** UN1993

Proper Shipping Name FLAMMABLE LIQUID, N.O.S.

Hazard Class 3
Packing Group III
Classification code F1
Tunnel restriction code (D/E)

**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III, (D/E)

<u>ADN</u>

**UN-No.** UN1993

Proper Shipping Name FLAMMABLE LIQUID, N.O.S.

Hazard Class 3
Packing Group III
Classification code F1

Special Provisions 274, 601, 640E

Description UN1993, FLAMMABLE LIQUID, N.O.S. (STYRENE-BUTADIENE POLYMER, NEPHELINE

SYENITE), 3, III

Hazard Labels 3 Limited Quantity 5 L Ventilation VE01

# 15. REGULATORY INFORMATION

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

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

**Export Notification requirements** Not applicable

**International Inventories** 

TSCA Contact supplier for inventory compliance status.

DSL/NDSL Contact supplier for inventory compliance status.

EINECS/ELINCS Contact supplier for inventory compliance status.

ENCS Contact supplier for inventory compliance status.

KECL Contact supplier for inventory compliance status.



PICCS Contact supplier for inventory compliance status.

AICS Contact supplier for inventory compliance status.

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

## **US Federal Regulations**

## **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

## **US State Regulations**

## **California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen
Carbon black - 1333-86-4	Carcinogen

## **U.S. State Right-to-Know Regulations**

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١	Chemical name	New Jersey	Massachusett	Pennsylvania	Rhode Island	Illinois
ı			S			
	Titanium dioxide 13463-67-7	X	X	Х		
	Carbon black 1333-86-4	X	X	Х		X

# **16. OTHER INFORMATION**



Health hazards 2 Flammability 2 Instability 0 **Physical and Chemical NFPA** 

Properties -Personal Protection X

Physical hazards 0

Flammability 2

Chronic Hazard Star Legend \* = Chronic Health Hazard

Health hazards 2 \*

**Prepared By Product Stewardship** 

23 British American Blvd. Latham, NY 12110 1-800-572-6501

**Issuing Date** 21-Jan-2016

**Revision Date** 28-Dec-2016

**Revision Note** No information available

#### Disclaimer

HMIS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet** 

