## SPI Supplies Division Structure Probe, Inc. 206 Garfield Ave., West Chester, PA 19380-4512 USA Phone: 1-(610)-436-5400 Fax: 1-(610)-436-5755 sales@2spi.com http://www.2spi.com Manufacturer's CAGE: 1P573

# Safety Data Sheet

Date Effective: January 2, 2019

SPI Catalog # 17023-AA, 17023-AB

**Miccroshield Remover** 

# Section 1.1: Identification

Product or Trade Name ..... Miccroshield Remover

CAS #'s...... 78-93-3; 108-10-1; 108-88-3

Chemical Formula..... Chemical mixture of ketones and toluene

Section 1.2: Relevant Uses/Restrictions

Solvent mixture for removal of Miccroshield.

# Section 1.3: Supplier of the Safety Data Sheet

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# Section 1.4: Emergency telephone number

Emergencies Contacting CHEMTREC:

24 Hour Emergency Use Only #'s... Worldwide phone: 1-(703)-741-5970 Toll-free phone: 1-(800)-424-9300 USA + Canada only

# Section 2: Hazard Identification

# 2.1 Classification of the substance:

## GHS Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS):

Flammable liquids (category 2) Acute toxicity, Oral (category 5) Acute toxicity, Inhalation (category 4) Skin irritation (category 2) Eye irritation (Category 2A) Reproductive toxicity (category 2) Specific target organ toxicity – single exposure (category 3) Specific target organ toxicity – repeated exposure (category 2) Aspiration hazard (category 1) Acute aquatic toxicity (category 2)

## 2.2 Label elements

Pictogram



Signal Word: Danger

#### Hazard statements:

- H225 Highly flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H335 May cause respiratory 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
- H401 Toxic to aquatic life

### **Precautionary statements:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P303 + P361 + 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to dol. Continue rinsing.
- P308 + P313 If exposed or concerned: Get medical advice/ attention.
- P331 Do NOT induce vomiting.

- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other Hazards:

### Hazardous Material Information System USA

Health	2
Fire Hazard	3
Reactivity	0
Personal Protection	В

#### **NFPA Rating (estimated)**

Health	2
Flammability	3
Reactivity	0

# Section 3: Composition

3.1 Substances: Not a substance

### 3.2 Mixtures: Hazardous ingredients

Component	CAS Number	% wt	TLV-TWA	PEL
Methyl ethyl ketone	78-93-3 15-25	15-25	200 ppm	200 ppm
Methyl Isobutyl ketone	108-10-1	15-25	50 ppm	100 ppm
Toluene	108-88-3	25-35	100 ppm	100 ppm

All components of this product are on the TSCA inventory or are exempt for TSCA Inventory requirements.

# Section 4: First Aid Measures

### 4.1 Description of first aid measures:

## Inhalation:

Get medical aid immediately. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area. Remove to fresh air immediately. Artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. **Do NOT use mouth-to-mouth resuscitation.** 

If breathing has ceased, apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

### Skin Contact:

Get medical aid. Immediately flush skin thoroughly with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse.

### Eye Contact:

Get medical aid immediately.

Immediately flush thoroughly with water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Do not allow victim to rub or keep eyes closed.

### Ingestion:

Do NOT induce vomiting. **Never give anything by mouth to an unconscious person.** Get medical aid immediately.

### Self-protection of the first aider:

Do NOT use mouth-to-mouth resuscitation.

## 4.2 Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11/Toxicological Information.

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

Treat symptomatically and supportively.

# Section 5: Fire Fighting Measures

## 5.1 Extinguishing media:

For small fires use dry chemical, CO<sub>2</sub>, or "alcohol" foam. Use water spray to cool fire-exposed containers and to disperse vapor. Water on fire itself may be ineffective.

For large fires, use water spray, fog, or alcohol-resistant foam. DO NOT use straight streams of water. Cool containers with flooding quantities of water until well after fire is out.

## 5.2 Special hazards arising from the substance or mixture:

Dangerous fire and explosion hazard. Vapor can travel distance to ignition source and flash back.

### 5.3 Hazardous combustion products:

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

May release vapors that form explosive mixtures at temperatures above the flashpoint. Hot organic vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below published auto-ignition or ignition temperatures.

- Ignition temperatures decrease with increasing vapor volume and vapor/air contact time, and are influenced by pressure changes.
- Ignition may occur at typical elevated temperature process conditions, especially in process operating under vacuum if subjected to sudden ingress or air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs.

## 5.4 Advice for firefighters:

## Special protective equipment and precautions for firefighters:

Structural firefighters' protective clothing will only provide limited protection.

Wear positive pressure self-contained breathing apparatus (SCBA).

Move containers from fire area if you can do it without risk.

LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

# Section 6: Accidental Release Measures

## 6.1 Personal precautions:

Evacuate the area of all unnecessary personnel.

Wear suitable protective equipment, including self-contained breathing apparatus.

Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards.

Contain the release and eliminate its source, if this can be done without risk.

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

## 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 6.3 Methods and material for containment and cleaning up:

Absorb spill with an absorbent, non-combustible material such as earth, sand, or vermiculite. Scoop up with non-sparking tool and containerize for proper disposal.

## 6.4 Reference to other sections:

For personal protections, see Section 8. For disposal information, see Section 13.

# Section 7: Handling and Storage

# 7.1 Precautions for safe handling:

## Protective measures:

Use only in a well-ventilated area. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapor or mist. Ground and bond containers when transferring material. Take measures to prevent the build-up of electrostatic charge. Use spark-proo0f tools and explosion proof equipment. Avoid contact with heat, sparks and flame. Empty containers may contain residue – do not pressurize, or expose empty containers to heat, sparks, or open flames. Do not take internally. Eye wash and safety equipment should be readily available.

## 7.2 Conditions for safe storage, including any incompatibilities:

Store away from sources of ignition. Store in a flammables area. Keep container tightly closed. Store in a cool, dry, well-ventilated area.

## 7.3 Specific end uses:

Solvent mixture for removal of Miccroshield.

This material is not being offered for clinical or diagnostic applications, agricultural uses or for human or animal consumption.

# Section 8: Exposure Controls and Personal Protection

#### 8.1 Control parameter and Personal Protection: Workplace exposure limits:

### Airborne Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA
Methyl Ethyl Ketone	200 ppm TWA 300 ppm STEL 3000 ppm IDHL	200 ppm TWA 590 mg/m3 TWA	200ppm TWA 590 mg/m3 TWA
Methyl Isobutyl Ketone	50 ppm TWA 75 ppm STEL 500 ppm IDHL	50 ppm TWA 205 mg/m3 TWA	100 ppm TWA 410 mg/m3 TWA
Toluene	20 ppm TWA 75 mg/m³ TWA	100 ppm TWA 375 mg/m <sup>3</sup> TWA 150 ppm STEL 560 mg/m <sup>3</sup> STEL	100 ppm TWA 375 mg/m <sup>3</sup> TWA 150 ppm STEL 560 mg/m <sup>3</sup> STEL

#### **Biological limit values:**

Toluene	0.0200 mg/l in blood	ACGIH – Biological Exposure Limits
	0.0300 mg/l in urine	ACGIH – Biological Exposure Limits

#### 8.2 Exposure controls:

### 8.2.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of the workday.
An eyewash facility and a safety shower should be available.
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

#### 8.2.2 Individual protection measures:

**Eyes:** Wear chemical safety goggles as described by OSHA's eye and face–protection regulations in 29 CFR 1910.133 or the European Standard = EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR = 1910.134 or the European Standard EN149. Always us a NIOSH or European = Standard approved respirator when necessary.

#### 8.2.3 Environmental exposure controls:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

# Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance: Clear liquid

Odor: Ketone odor

Odor threshold: No data available pH: No data available Melting point/Freezing point: No data available Boiling point/Boiling point range @ 760 mm Hg: 145 °F (62.78 °C) Flash Point: No data available Evaporation rate: 6.0 (BuAc=1) Flammability (solid, gas): No data available Upper/lower flammability or explosive limits: No data available Vapor Pressure: No data available Vapor density (air=1): 2.5 Specific gravity: 0.82 Solubility: No data available Partition coefficient (n-octanol/water): No data available Auto-ignition temperature: No data available Decomposition temperature: No data available Viscosity: No data available Explosive properties: No data available Oxidizing Properties: No data available Percent Volatile by weight (%): 100

**9.2 Other information:** No further relevant information available.

# Section 10: Stability and Reactivity

## 10.1 Reactivity:

No data available.

### 10.2 Chemical Stability:

Stable under recommended storage conditions.

## 10.3 Possibility of Hazardous Reactions:

Hazardous polymerization may occur. Vapors may form explosive mixture with air.

### 10.4 Conditions to avoid:

Heat, Incompatible ignition sources, Contact with ignition sources.

#### 10.5 Incompatible materials:

Oxidizing agents; Reducing agents; Caustics and strong bases, such as sodium hydroxide, ammonium hydroxide, potassium hydroxide, calcium hydroxide, ammonia; copper, amines; isocyanates; chlorosulfonic acid; fuming sulfuric acid; peroxides; pyridine; potassium-tert-butoxide.

### 10.6 Hazardous decomposition products:

Carbon monoxide, Carbon dioxide, Irritating and toxic fumes and gases.

# Information on the likely routes of exposure:

# **RTECS Numbers:**

CAS # 78-93-3	Methyl Ethyl Ketone	EL6475000
CAS # 108-10-1	Methyl Isobutyl Ketone	SA9275000
CAS # 108-88-3	Toluene	XS5250000

# 11.1 Information on toxicological effects:

A. Acute toxicity: Methyl ethyl ketone Inhalation, mou Inhalation, rat Oral, mouse Oral, rat	CAS # 78-93-3 se LC50 32 gm/m <sup>3</sup> 4H LC50 11700 ppm 4H LD50 4050 mg/kg LD50 2737 mg/kg
Methyl isobutyl ketone Inhalation, mou Inhalation, rat Oral, mouse Oral, rat	CAS # 108-10-1 lse LC50 23300 mg/m <sup>3</sup> LC50 8.2 mg/L 4H LD50 2671 mg/kg LD50 2080 mg/kg
Toluene Inhalation, rat Oral, rat Dermal, rabbit	CAS # 108-88-3 LC50 12,500 – 28,800 mg/m <sup>3</sup> 4H LD50 >5,580 mg/kg LD50 12,196 mg/kg
B. Skin corrosion/irritation: Methyl ethyl ketone Draize test, rab Methyl isobutyl ketone Draize test, rab Toluene Skin, rabbit	CAS # 78-93-3 bit, skin 500 mg/ 24 H moderate CAS # 108-10-1 bit, skin 500 mg/ 24 H mild CAS # 108-88-3 skin irritation / 24H
<ul> <li>C. Serious eye damage/irritation</li> <li>Methyl ethyl ketone</li> <li>Eyes, rabbit</li> <li>Methyl isobutyl ketone</li> <li>Eyes, rabbit</li> <li>Toluene</li> <li>Eyes, rabbit</li> <li>D. Respiratory or skin sensition</li> <li>No data available.</li> </ul>	on: CAS # 78-93-3 irritating CAS # 108-10-1 Moderate eye irritation / 24 H CAS # 108-88-3 No eye irritation
E. Germ cell mutagenicity:	

Methyl ethyl ketone CAS # 78-93-3 Sex chromosome loss and nondisjunction: Yeast Saccharomyces cerevisiae, 33800 ppm Toluene CAS # 108-88-3 Rat Liver DNA damage

# F. Carcinogenicity:

### For Methyl ethyl ketone CAS # 78-93-3:

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as

probable, possible, or confirmed human carcinogen by IARC.

- OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- ACGIH: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### For Methyl isobutyl ketone CAS # 108-10-1

IARC: 2B Group 2B Possibly carcinogenic to humans.

- OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP>
- ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

#### For Toluene

#### CAS # 108-88-3

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

- OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### G. Reproductive toxicity:

Toluene CAS # 108-88-3

Damage to fetus possible. Suspected human reproductive toxicant.

Reproductive toxicity – Rat- Inhalation. Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Experiments have shown reproductive toxicity effects ibn male and female laboratory animals.

Developmental Toxicity – Rat - Oral. Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

#### H. STOT-single exposure:

Methyl ethyl ketone	CAS # 78-93-3
Methyl isobutyl ketone	CAS # 108-10-1
Toluene	CAS # 108-88-3

May cause drowsiness. Respiratory irritation. No data available.

### I.. STOT-repeated exposure:

No data available.

#### J. Aspiration hazard:

No data available.

# Section 12: Ecological Information

12.1 Ecotoxicity:			
Methyl ethy	l ketone	CAS #	<u>78-93-3</u>
Fish: Pimep	hales promelas	LC50	3220 mg/L; 96 h
Fish: Lepom	nis macrochirus	LC50	1690 mg/L; 96 h
Microtox		EC50	3403 mg/L; 30 min
Microtox		EC50	3420 mg/L; 5 min
Water flea: I	Daphnia Magna	EC50	4025-6440 mg/L; 48 h static
Water flea: I	Daphnia Magna	EC50	5091 mg/L; 48 h
Water flea: [	Daphnia Magna	EC50	>520 mg/L; 48h
Methyl isob	outyl ketone	CAS #	<u>108-10-1</u>
Algae		EC50	400 mg/L; 96 h
Fish: Pimep	hales promelas	LC50	496-514 mg/L; 96 h (flow-through)
Microtox		EC50	79.6 mg/L; 5 min
Water flea: [	Daphnia Magna	EC50	4280 mg/L; 24 h
Water flea: [	Daphnia Magna	EC50	170 mg/L; 48 h
Toluene		CAS #	<u>108-88-3</u>
Oncorhynch	us mykiss (rainbow trout)	LC50	7.63 mg/L; 96 h
Pimephales	promelas (fathead minnov	w) NOEC	5.44 mg/L; 7 d
Water flea: [	Daphnia Magna	EC50	8.00 mg/L; 24 h
Water flea: [	Daphnia Magna Immo	bilization	EC50 6 mg/L; 48 h
Fresh water	algae: Chlorella vulgaris	EC50	245.00 mg/L; 24 h
Green algae	e: Pseudokirchneriella sub	capitata	EC50 10.00 mg/L; 24h
12.2 Persistence ar	nd degradability:		
Methyl ethyl	ketone CAS # 78-93-	-3	No data available.
Methyl isobu	utyl ketone CAS # 108-10	D-1	Biotic/Aerobic - Exposure time 7 d
Toluene	CAS # 108-88	8-3	Readily biodegradable
12.3 Bio-accumulat	tive potential:		
Methyl ethyl	ketone CAS # 78-93-	-3	No data available.
Methyl isobu	utyl ketone CAS # 108-10	D-1	No data available.
Toluene	CAS # 108-88	8-3	Bioconcentration factor (BCF): 90
Leu	ciscus idus (Golden orfe)	– 3 d – 0.0	D5 mg/l
12.4 Mobility in soi	l:		
Methyl ethyl	ketone CAS # 78-93-	-3	Likely mobile in the environment due to water solubility
Methyl isobu	utyl ketone CAS # 108-10	D-1	Likely mobile in the environment due to water solubility
Toluene	CAS # 108-88	8-3	No data available.
12.5 Results of PB	T and vPvB assessment	:	
PBT/vPvB a	ssessment not available a	s chemic	al safety assessment not required/ not conducted.

### 12.6 Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toluene is toxic to aquatic life.

# Section 13: Disposal Considerations

## 13.1 Waste treatment methods:

Consult state and local hazardous waste regulations to ensure complete and accurate classification.

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber, but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

RCRA U-Series:

CAS # 78-93-3: waste number U159 (Ignitable, Toxic Waste). CAS # 108-10-1: waste number U161 (Ignitable Waste).

> 3 11

# Section 14: Transport Information

### DOT:

•	UN Number: Proper Shipping Name: Label: Hazard Class: Packing Group:	UN 1263 Pant Related Material Flammable Liquid 3 II
:	UN Number:	UN 1263

# IATA:

UN Number:	
Proper Shipping Name:	
Label:	
Hazard Class:	
Packing Group:	

## IMDG:

UN 1263 Pant Related Material Flammable Liquid 3

# Section 15: Regulatory Information

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

Pant Related Material Flammable Liquid

# U.S. Government Regulations:

### TSCA Active Inventory List:

CAS # 78-93	-3	Methyl Ethyl Ketone is on the TSCA Active List.
CAS # 108-1	0-1	Methyl Isobutyl Ketone is on the TSCA Active List.
CAS # 108-8	8-3	Toluene is on the TSCA Active List.

TSCA 12(B): None of the components are required to be listed

SARA 302/304 components: No chemicals are subject to reporting

SARA 311/312 components: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

### SARA 313 Components:

Components	CAS#
Methyl Isobutyl Ketone	108-10-1
Toluene	108-88-3

# States Right to Know:

Components	CAS#	Illinois	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Methyl Ethyl Ketone	78-93-3	Yes	Yes	Yes	Yes	Yes
Methyl Isobutyl Ketone	108-10-1	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes

**CA Prop. 65:** This product contains toluene (CAS# 108-88-3) which is known to the State of California to cause birth defects or other reproductive harm.

# Canada

## **DSL/NDSL Classification:**

Component	CAS#	DSL/NDSL
Methyl Ethyl Ketone	78-93-3	DSL
Methyl Isobutyl Ketone	108-10-1	DSL
Toluene	108-88-3	DSL

## WHMIS Classification:

Component	CAS#	Classification
Methyl Ethyl Ketone	78-93-3	B2, D2B
Methyl Isobutyl Ketone	108-10-1	B2, D2A
Toluene	108-88-3	B2, D2A, D2B

## 15.2 Chemical Safety Assessment:

Date of Preparation: 02 January 2019

## Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation CMRG: Chemical Manufacturer's Recommended Guidelines IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bio-accumulative and Toxicological vPvB: very Persistent and very Bio-accumulative NIOSH: National Institute for Occupational Safety **OSHA: Occupational Safety Health** 

ATE: Acute Toxicity Estimates TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit STEL: Short Term Exposure Limit CEIL: Ceiling TSCA: Toxic Substances Control Act (USA) DSL: Domestic Substances List (Canada) PICCS: Philippine Inventory of Chemicals and Chemical Substances ENCS: Existing and New Chemical Substances (Japan) AICS: Australian Inventory of Chemical Substances IECSC: Inventory of Existing Chemical Substances in China KECL: Korea Existing Chemicals List

# Section 16: Other Information

# **Disclaimer of Liability:**

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

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