

# SAFETY DATA SHEET

Revision date 21-Dec-2022

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** SPE-GS3PVE, GLO-STICK 3PVE PVE LUBRICANT FLUORESCENT DYE

### Other means of identification

**Product Code(s)** SPE-GS3PVE

**UN number or ID number** UN3082\*\*\*

**Synonyms** SPE-GS3PVE-B, SPE-GS3PVE-CS, SPE-GS3E-P6, SPE-GS3PVE-P6J

### Recommended use of the chemical and restrictions on use

**Recommended use** Refrigerant leak detection

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer

Spectronics Corporation  
265 Spagnoli Road  
Melville, NY 11747  
USA

**E-mail address** sds@spectroline.com

### Emergency telephone number

**Emergency Telephone** US & Canada: 800-424-9300 (24 HOURS CHEMTREC)  
Outside US & Canada: +1 703-741-5970 (24 HOURS CHEMTREC)

## 2. Hazard(s) identification

### Classification

Reproductive toxicity	Category 2***
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### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

**Warning\*\*\***

### Hazard statements

Suspected of damaging fertility or the unborn child\*\*\*



**Appearance** No information available      **Physical state** Liquid      **Odor** Slight

**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\*\*\*

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention\*\*\*

**Precautionary Statements - Storage**

Store locked up\*\*\*

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant\*\*\*

**Other information**

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.\*\*\*

### 3. Composition/information on ingredients

**Substance**

Not applicable.\*\*\*

**Mixture** \*\*\*

Chemical name	CAS No	Weight-%	Trade secret
Anti-Friction Additive	Trade secret	0 - 10%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

**Description of first aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.***
<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Rinse mouth.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions 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**

**Personal precautions** Ensure adequate ventilation.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.\*\*\*

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up.\*\*\*

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls**                      Showers  
   Eyewash stations  
   Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      No special protective equipment required.

**Hand protection**                            Wear suitable gloves.\*\*\*

**Skin and body protection**                Wear suitable protective clothing.\*\*\*

**Respiratory protection**                  No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**        Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.\*\*\*

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Physical state**                                Liquid

**Appearance**                                No information available

**Color**                                         amber

**Odor**                                         Slight

**Odor threshold**                            No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	No data available	None known
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flash point</b>	180.5 °C*** /*** 356.9 °F***	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative vapor density</b>	No data available	None known
<b>Relative density</b>	0.9536	None known
<b>Water solubility</b>	No data available Insoluble in water	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>Kinematic viscosity</b>	109.2 mm <sup>2</sup> /s	@ 40 °C
<b>Dynamic viscosity</b>	No data available	None known

**Other information**

**Explosive properties**                      No information available

**Oxidizing properties**                    No information available

**Softening point**                         No information available

**Molecular weight**                        No information available

**VOC content**                                No information available

Liquid Density No information available  
Bulk density 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.  
Conditions to avoid None known based on information supplied.  
Incompatible materials None known based on information supplied.  
Hazardous decomposition products None known based on information supplied.

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

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

### Acute toxicity

#### Numerical measures of toxicity

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

ATEmix (dermal) 22,000.00\*\*\* mg/kg\*\*\*

#### Component Information

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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Anti-Friction Additive	> 20000 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h

### 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 No information available.  
Germ cell mutagenicity No information available.

<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.***
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Other adverse effects</b>	No information available.
<b>Interactive effects</b>	No information available.

**12. Ecological information**

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.\*\*\*

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Anti-Friction Additive	-	LC50: 0.1 - 0.22mg/L (96h, Lepomis macrochirus) LC50: 0.21 - 0.32mg/L (96h, Oncorhynchus mykiss) LC50: 3.3 - 6.2mg/L (96h, Oncorhynchus mykiss) LC50: 20.4 - 41.2mg/L (96h, Lepomis macrochirus) LC50: 3.2 - 10mg/L (96h, Oryzias latipes) LC50: 4.8 - 6.4mg/L (96h, Poecilia reticulata)	-	-

**Persistence and degradability** No information available.

**Bioaccumulation**

**Component Information** \*\*\*

Chemical name	Partition coefficient
Anti-Friction Additive	5.93***

**Other adverse effects** No information available.

**13. Disposal considerations**

**Disposal methods**

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

**14. Transport information**

<b>DOT</b>	***
UN number or ID number	UN3082***
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Special Provisions	8, 146, 173, 335, 441, IB3, T4, TP1, TP29***
DOT Marine Pollutant	PP***
Marine pollutant	Phosphoric acid, tris(methylphenyl) esters***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III, Marine pollutant***
Emergency Response Guide Number	171***
<b>TDG</b>	***
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Special Provisions	16, 99***
Marine pollutant name	Phosphoric acid, tris(methylphenyl) esters.***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III***
<b>MEX</b>	***
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Technical Name	Phosphoric acid, tris(methylphenyl) esters***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III***
Special Provisions	274, 331, 335***
<b>ICAO (air)</b>	***
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III***
Special Provisions	A97, A158, A197, A215***
<b>IATA</b>	***
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Technical Name	Phosphoric acid, tris(methylphenyl) esters***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III***
Special Provisions	A97, A158, A197***
ERG Code	9L***
UN number or ID number	UN3082***

<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.***
<b>Transport hazard class(es)</b>	9***
<b>Packing group</b>	III***
<b>EmS-No</b>	F-A, S-F***
<b>Special Provisions</b>	274, 335, 969***
<b>Marine pollutant</b>	P***
<b>Marine Pollutant</b>	Phosphoric acid, tris(methylphenyl) esters***
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III, Marine pollutant***
<b>RID</b>	
	***
<b>UN number or ID number</b>	UN3082***
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.***
<b>Transport hazard class(es)</b>	9***
<b>Packing group</b>	III***
<b>Classification code</b>	M6***
<b>Special Provisions</b>	274, 335, 375, 601***
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III***
<b>ADR</b>	
	***
<b>UN number or ID number</b>	UN3082***
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.***
<b>Transport hazard class(es)</b>	9***
<b>Packing group</b>	III***
<b>Classification code</b>	M6***
<b>Tunnel restriction code</b>	(-)***
<b>Special Provisions</b>	274, 335, 601, 375***
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III, (-)***
<b>ADN</b>	
	***
<b>UN number or ID number</b>	UN3082***
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.***
<b>Transport hazard class(es)</b>	9***
<b>Packing group</b>	III***
<b>Classification code</b>	M6***
<b>Special Provisions</b>	274, 335, 375, 601***
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Phosphoric acid, tris(methylphenyl) esters), 9, III***
<b>Equipment Requirements</b>	PP***

## 15. Regulatory information

### International Inventories

<b>TSCA</b>	Complies.
<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Complies.
<b>IECSC</b>	Does not comply.***
<b>KECL</b>	Complies.
<b>PICCS</b>	Does not comply.***
<b>AIIC</b>	Complies.
<b>NZIoC</b>	Complies.

### 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
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIIC** - Australian Inventory of Industrial Chemicals



**NZIoC** - New Zealand Inventory of Chemicals

**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.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**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 does not contain any Proposition 65 chemicals.

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

\*\*\*

Chemical name	New Jersey	Massachusetts	Pennsylvania
Anti-Friction Additive	X	-	-

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 1***	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 1****	<b>Flammability</b> 1***	<b>Physical hazards</b> 0	<b>Personal protection</b> X
<i>Chronic Hazard Star Legend</i>	<i>* = Chronic Health Hazard***</i>			

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGL(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal

**SPE-GS3PVE - SPE-GS3PVE, GLO-STICK 3PVE PVE  
LUBRICANT FLUORESCENT DYE**

**Revision date** 21-Dec-2022

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Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 21-Dec-2022  
**Revision Note** No information available.

**Disclaimer**

**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**