



Guardian VPOE68G; VPOE68P; VPOE68D;  
VPOE68Q

475494; 475496; 475497; 47549

SDS Preparation Date (dd/mm/yyyy): 15/10/2024

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## SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

**1.1 Product identifier** : **Guardian VPOE68G; VPOE68P; VPOE68D; VPOE68Q**

**Product Code(s)** : 475494; 475496; 475497; 47549

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

: Refrigeration and air conditioning  
Use pattern professional use  
Restriction on use: None known

**1.3 Details of the supplier of the safety data sheet:**

**Parker Hannifin Corporation - Sporlan Division**

206 Lange Drive  
Washington, MO, U.S.A.  
63090

**Telephone** : (636) 239 1111

**1.4 Emergency Telephone Number**

: In case of transportation emergencies: Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Poisons Information Centre  
The United Kingdom NHS 111  
France +33383852192  
Germany +493018412-0  
Spain +34917689800  
Poland +48422538400  
Italy  
06 68593726 (CAV "Osp. Pediatrico Bambino Gesu" Dip. Emergenza - Roma) 800  
183459 (Az. Osp. Univ. Foggia - Foggia)  
081 5453333 (Az. Osp. "A. Cardarelli" - Napoli)  
06 49978000 (CAV Policlinico "Umberto I" - Roma)  
06 3054343 (CAV Policlinico "A. Gemelli" - Roma)  
055 7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze)  
0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia) 02  
66101029 (Osp. Niguarda Ca' Granda - Milano)  
800 883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo)

**1.5 National Contact**

: +001 (636) 239-1111

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Clear liquid. Ester-like odor.

Most important hazards:

Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

EUH066 - Repeated exposure may cause skin dryness or cracking.



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### 2.2 Label elements

*Hazard pictogram(s)*

None required.

Hazardous components which must be listed on the label  
 None required.

Signal word

No signal word

Hazard statements

None required according to Regulation (EC) No. 1272/2008. :

Precautionary statements

None required according to Regulation (EC) No. 1272/2008. :

### 2.3 Other hazards

Toxic fumes, gases or vapours may evolve on burning. Prolonged or repeated skin contact may cause drying, cracking, or redness or irritation. May cause mild respiratory irritation at higher temperatures. May cause gastrointestinal irritation.

Endocrine disrupting properties: None.

PBT assessment:

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Mixture

Substance name	CAS No	EC No.	Reach Registration No.	% Weight	Classification according to Regulation (EC) nr. 1272/2008	SCL, M-factor, ATE
Proprietary Fatty Acid Ester	N/Av	Proprietary	Not available	>95	not hazardous	Not applicable.
Additives	N/Av	Proprietary	Not available	0.0 - 20.0	not hazardous	Not applicable.

## SECTION 4. FIRST-AID MEASURES

### 4.1 Description of first aid measures

*Ingestion*

: Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.



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- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. If irritation or symptoms develop, seek medical attention.
- Skin contact* : For skin contact, wash with soap and water while removing contaminated clothing. If skin irritation occurs, get medical attention.
- Eye contact* : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: get medical advice/attention.

### 4.1.2 Self-protection for the first aider

- : None known or reported by the manufacturer.

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

- : May cause mild skin irritation.  
May cause mild respiratory irritation at higher temperatures. May cause coughing and breathing difficulties.  
If material is ingested, may cause irritation to mucous membranes. May cause nausea, stomach pain and vomiting.

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

- : Provide general supportive measures and treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### *Suitable extinguishing media*

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

#### *Unsuitable extinguishing media*

- : Water may cause spattering of hot material and may spread burning.

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

- : Not considered flammable but may burn at high temperatures. Toxic fumes, gases or vapours may evolve on burning.

### 5.3 Advice for firefighters

#### *Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

#### *Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- : Keep people away from and upwind of spill/leak. Wear appropriate protective equipment. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

- : Prevent product from entering drains, sewers, waterways and soil.

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

- : Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Vacuum or sweep up spilled material using a method that does not generate airborne dust. Keep in properly labelled containers. Contact the proper local authorities.



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### 6.4 Reference to other sections

- : Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- : Use with adequate ventilation. Wear suitable protective equipment during handling. Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep away from incompatibles. Keep containers closed when not in use. Wash thoroughly after handling.

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

- : Store in cool/well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Keep away from incompatibles.

### 7.3 Specific end use(s)

- : Industrial Lubricant

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

<b>Exposure Limits:</b>			
<b>Chemical Name</b>	<b>Exposure Limits</b>	<b>Type</b>	<b>Notes</b>
<b>Proprietary Fatty Acid Ester</b>	None known.	European Union (OEL)	None.
<b>Additives</b>	None known.	European Union (OEL)	None.

### **Biological Exposure Indices:**

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL)  
 No information available.

Predicted No Effect Concentration (PNEC)  
 No information available.

### 8.2 Exposure controls

#### Ventilation and engineering measures

- : Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

#### Respiratory protection

- : In case of insufficient ventilation wear suitable respiratory equipment. If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Seek advice from respiratory protection specialists.

#### Skin protection

- : Wear protective gloves. Advice should be sought from glove suppliers.



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**Eye / face protection** : Wear safety goggles or glasses as appropriate for the job.

**Other protective equipment**

: Ensure that eyewash stations and safety showers are close to the workstation location.  
Other equipment may be required depending on workplace standards.

**General hygiene considerations**

: Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.  
Handle in accordance with good industrial hygiene and safety practice.

### **8.3 Environmental exposure controls**

: Avoid release to the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### **9.1 Information on basic physical and chemical properties**

**Physical state** : Liquid.

**Colour** : Clear.

**Odour** : Ester-like odor.

**Odour threshold** : Not available.

**pH** : Not available.

**Flash point** : >225°C

**Flashpoint (Method)** : ASTM D92

**Lower flammable limit (% by vol.)**

: Not available.

**Upper flammable limit (% by vol.)**

: Not available.

**Auto-ignition temperature**

: Not available.

**Decomposition temperature**

: Not available.

**Oxidizing properties** : Not applicable

**Explosive properties** : Not explosive

**Initial boiling point and boiling range**

: Not available.

**Melting/Freezing point** : Not available.

**Relative density** : 0.9-0.97

**Solubility in water** : Slightly soluble.

**Other solubility(ies)** : Not available.

**Vapour pressure** : <0.1 mmHg @20°C

**Vapour density** : >1

**Partition coefficient: n-octanol/water**

: Not available.

**Viscosity** : >20.6 cSt - 100 cSt @40°C

**Evaporation rate (BuAe = 1)**

: Not available.

**Particle characteristics** : Not applicable

### **9.2 Other Information**

**Volatiles (% by weight)** : None.



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### Volatile organic Compounds (VOC's)

: Not available.

### Other physical/chemical comments

: Not available.

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity** : Not normally reactive.

**10.2 Chemical stability** : Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid** : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

### 10.5 Incompatible materials

: Strong oxidizing agents

### 10.6 Hazardous decomposition products

: Carbon oxides; Nitrogen oxides; Sulfur oxides; Phosphorus oxides; Zinc oxide

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological effects:

**Acute toxicity** : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.

**Skin corrosion/Irritation** : According to the classification criteria of the European Union, this product is not considered as being a skin corrosive or irritant.

### Serious eye damage/irritation

: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

### Respiratory or skin sensitisation

: According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser.  
According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser.

**Germ cell mutagenicity** : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** : According to the classification criteria of the European Union, the product is not considered as being a carcinogen.

**Reproductive toxicity** : According to the classification criteria of the European Union, this product is not considered as being toxic to reproduction.

**STOT-single exposure** : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through a single exposure.

**STOT-repeated exposure** : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through repeated exposures.

**Aspiration hazard** : According to the classification criteria of the European Union, this product is not considered as being an aspiration hazard to humans.

**Routes of exposure** : Inhalation  
Ingestion  
Eye contact  
Skin contact



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**Effects of acute exposure :** Direct eye contact may cause slight or mild, transient irritation.  
 Direct skin contact may cause slight or mild, transient irritation.  
 May cause mild respiratory irritation at higher temperatures.  
 Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Potential Chronic Health Effects**

: Prolonged or repeated contact may cause redness, drying and itching of the skin (dermatitis).

### 11.1.1 Acute Toxicity

**Toxicological data**

: Not classified for acute toxicity based on available data. No data is available on the product itself.

See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Proprietary Fatty Acid Ester			
Additives			

### 11.2 Information on other Hazards

: Not applicable

11.2.1 Endocrine disrupting properties :Not applicable

11.2.2 Other hazards :Not applicable

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for individual ingredient ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Proprietary Fatty Acid Ester	N/Av	N/Av	N/Av	N/Av
Additives	N/Av	N/Av	N/Av	N/Av

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Proprietary Fatty Acid Ester	N/Av	N/Av	N/Av	N/Av
Additives	N/Av	N/Av	N/Av	N/Av



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Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Proprietary Fatty Acid Ester	N/Av	N/Av	N/Av	N/Av
Additives	N/Av	N/Av	N/Av	N/Av

### 12.2 Persistence and degradability

: Not readily biodegradable.

### 12.3 Bioaccumulation potential

: See the following data for ingredient information.

### 12.4 Mobility in soil

: Not available.

### 12.5 Results of PBT and vPvB assessment

: This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 12.6 Endocrine disrupting properties

: None known or reported by the manufacturer.

### 12.7 Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 12.8 Additional information

: None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods:

**Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. This material and its container must be disposed of in a safe way. Empty containers retain residue and can be dangerous. Follow labeled warnings even after container is emptied.

**Methods of Disposal** : According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## SECTION 14. TRANSPORTATION INFORMATION



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<b>Regulatory Information</b>	<b>14.1 UN Number</b>	<b>14.2 UN proper shipping name</b>	<b>14.3 Transport hazard class(es)</b>	<b>14.4 Packing Group</b>	<b>Label</b>
ADR/RID	None.	not regulated	not regulated	none	
<b>ADR/RID Additional information</b>	Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				
IMDG	None.	Not regulated.	not regulated	none	
<b>IMDG Additional information</b>	None.				

**14.5 Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

**14.6 Special precautions for user**

: Appropriate advice on safety must accompany the package.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not applicable.

**SECTION 15. REGULATORY INFORMATION**

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



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- : Classification according to Regulation (EC) No. 1272/2008 on the classification of hazardous mixtures. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2023/707].

### Authorisations:

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:  
None of the components are specifically listed.

### Restrictions on use:

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended  
None of the components are specifically listed.

Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances:  
None of the components are specifically listed.

Directive 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work:  
None of the components are specifically listed.

Directive 94/33/EC on the protection of young people at work:  
None of the components are specifically listed.

Follow national regulation for work with chemical agents.

German legislation on substances that are hazardous to water AwSV: Water hazard class (Germany) - 1

### 15.2 Chemical safety assessment

- : A chemical safety assessment has not been carried out by the Manufacturer of this product.

## SECTION 16. OTHER INFORMATION

**Legend** : ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods

**Information Source** : 1. Material Safety Data Sheet from manufacturer.  
2. Canadian Centre for Occupational Health and Safety, CCHInfoWeb Databases  
3. European Chemicals Agency, Classification Legislation  
4. OECD - The Global Portal to Information on Chemical Substances

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**Regulation and Procedure** :

not regulated; Expert judgement

H-phrases (full-text)  
Not applicable.

### Other special considerations for handling

- : Provide adequate information, instruction and training for operators.



Parker Hannifin Corporation  
 Sporlan Division  
 206 Lange Drive  
 Washington, MO, U.S.A., 63090  
 Telephone: +001 (636) 239 1111

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<p><b>Prepared for:</b>          Parker Hannifin Corporation - Sporlan Division          206 Lange Drive          Washington, MO 63090 USA          +001 (636) 239-1111          Direct all enquiries to: Parker Hannifin Corp. - Sporlan Division.</p>	
<p><b>Prepared by:</b>          ICC The Compliance Center Inc.  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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