



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

VA 200G

VA 200G

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **VA 200G**

**Other means of identification** : VA 200G (P/N 475557)

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

: Industrial Lubricant  
Use pattern: Professional use only  
No restrictions on use known.

**Chemical family** : Mixture of : Alumina; Organosilane

**SDS number** : PHCS-515

**Name, address, and telephone number  
of the supplier:**

**Parker Hannifin Corporation - Sporlan Division**

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

Supplier's Telephone # : (636) 239-1111

**24 Hr. Emergency Tel #** : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887  
(Outside U.S.).

**Name, address, and telephone number of  
the manufacturer:**

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

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.

This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) and Canadian WHMIS regulations (Hazardous Products Regulations).

Physical Hazards Not Otherwise Classified (PHNOC): Not applicable

Health Hazards Not Otherwise Classified (HHNOC): Not applicable

**Label elements**

*Hazard pictogram(s)*

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

*Signal Word*

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

*Hazard statement(s)*

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

*Precautionary statement(s)*

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

**Other hazards**



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Other hazards which do not result in classification:

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.

Environmental precautions:

Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Benzene, mono-C10-13-alkyl derivatives, distillation residues	N/Av	84961-70-6	45.0 - 70.0
Benzene, polypropene derivatives	N/Av	68081-77-6	45.0 - 70.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### 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.
- 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.

#### 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.

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

- : Provide general supportive measures and treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### 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.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Toxic fumes, gases or vapours may evolve on burning.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Non-flammable.

#### Hazardous combustion products

- : Carbon oxides; Nitrogen oxides; Sulfur oxides; Phosphorus oxides; Zinc oxide fumes.

#### Special protective equipment and precautions for firefighters



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### 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

### 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.

**Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.

### 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. For waste disposal, see Section 13 of the SDS.

### Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): None reportable.

In Canada: Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements.

## SECTION 7. HANDLING AND STORAGE

### 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.

**Conditions for safe storage** : 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.

**Incompatible materials** : Strong oxidizing agents

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>			
<b><u>Chemical Name</u></b>	<b><u>ACGIH TLV</u></b>		<b><u>OSHA PEL</u></b>
	<b><u>TWA</u></b>	<b><u>STEL</u></b>	<b><u>PEL</u></b> <b><u>STEL</u></b>
Benzene, mono-C10-13-alkyl derivatives, distillation residues	N/Av	N/Av	N/Av      N/Av
Benzene, polypropylene derivatives	N/Av	N/Av	N/Av      N/Av



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### 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. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Seek advice from respiratory protection specialists.

#### Skin protection

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

#### 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.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State

- : Liquid.

#### Colour

- : Clear.

#### Odour

- : Ester-like odor.

#### Odour threshold

- : N/Av

#### pH

- : N/Av

#### Melting Point/Freezing point

- : N/Av

#### Initial boiling point and boiling range

- : N/Av

#### Flash point

- :  $\geq 203^{\circ}\text{C}$  ( $\geq 400^{\circ}\text{F}$ )

#### Flashpoint (Method)

- : N/Av

#### Evaporation rate (BuAe = 1)

- : N/Av

#### Flammability

- : Not considered flammable.

#### Lower explosion or flammability limit (% by vol.)

- : N/Av

#### Upper explosion or flammability limit (% by vol.)

- : N/Av

#### Oxidizing properties

- : None.

#### Explosive properties

- : Not explosive

#### Vapour pressure

- :  $< 0.1$  mmHg @  $20^{\circ}\text{C}$

#### Relative vapour density

- :  $> 1$

#### Relative density / Specific gravity

- : 0.86-0.89

#### Solubility in water

- : Slightly soluble.

#### Other solubility(ies)

- : N/Av

#### Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

- : N/Av

#### Auto-ignition temperature

- : N/Av

#### Decomposition temperature

- : N/Av

#### Viscosity

- :  $> 20.6$  cSt -  $100$  cSt @  $40^{\circ}\text{C}$

#### Particle characteristics

- : N/Av



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**Volatiles (% by weight)** : None.  
**Volatile organic Compounds (VOC's)**  
: N/Av  
**Absolute pressure of container**  
: N/Av  
**Flame projection length** : N/Av  
**Other physical/chemical comments**  
: No additional information.

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under normal conditions.  
**Possibility of hazardous reactions**  
: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.  
**Conditions to avoid** : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.  
**Incompatible materials** : Strong oxidizers.  
**Hazardous decomposition products**  
: None known, refer to hazardous combustion products in Section 5.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

**Routes of entry inhalation** : YES  
**Routes of entry skin & eye** : YES  
**Routes of entry Ingestion** : YES  
**Routes of exposure skin absorption**  
: NO

#### Potential Health Effects:

##### Signs and symptoms of short-term (acute) exposure

###### *Sign and symptoms Inhalation*

: May cause mild respiratory irritation at higher temperatures. May cause coughing and breathing difficulties.

###### *Sign and symptoms ingestion*

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

###### *Sign and symptoms skin*

: May cause mild skin irritation.

###### *Sign and symptoms eyes*

: May cause mild eye irritation.

##### Potential Chronic Health Effects

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

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

**Carcinogenicity** : Not classifiable as a human carcinogen. No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

##### Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

**Sensitization to material** : Not expected to be a skin or respiratory sensitizer.



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**Specific target organ effects** : According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause target organ toxicity through single or repeated exposures.

**Medical conditions aggravated by overexposure**

: Not available.

**Synergistic materials**

: Not applicable

**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>	<b>LC<sub>50</sub>(4hr)</b>	<b>LD<sub>50</sub></b>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Benzene, mono-C10-13-alkyl derivatives, distillation residues	N/Av	N/Av	N/Av
Benzene, polypropene derivatives	N/Av	N/Av	N/Av

**Other important toxicological hazards**

: Not available.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : May cause long lasting harmful effects to aquatic life. 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>	<b>CAS #</b>	<b>Toxicity to Fish</b>		
		<b>LC50 / 96h</b>	<b>NOEC / 21 day</b>	<b>M Factor</b>
Benzene, mono-C10-13-alkyl derivatives, distillation residues	84961-70-6	N/Av	N/Av	N/Av
Benzene, polypropene derivatives	68081-77-6	N/Av	N/Av	N/Av

<u>Ingredients</u>	<b>CAS #</b>	<b>Toxicity to Daphnia</b>		
		<b>EC50 / 48h</b>	<b>NOEC / 21 day</b>	<b>M Factor</b>
Benzene, mono-C10-13-alkyl derivatives, distillation residues	84961-70-6	N/Av	N/Av	N/Av
Benzene, polypropene derivatives	68081-77-6	N/Av	N/Av	N/Av



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<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Benzene, mono-C10-13-alkyl derivatives, distillation residues	84961-70-6	N/Av	N/Av	N/Av
Benzene, polypropene derivatives	68081-77-6	N/Av	N/Av	N/Av

### Persistence and degradability

: Not readily biodegradable.

**Bioaccumulation potential** : See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
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**Mobility in soil** : Not available.

### 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.

## SECTION 13. DISPOSAL CONSIDERATIONS

**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.

**Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA** : If the product becomes a waste, it may meet the criteria of a hazardous waste according to the US RCRA Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.



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### SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				

**Special precautions for user** : Appropriate advice on safety must accompany the package.

**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.  
Contains a chemical considered to be persistent.

### SECTION 15 - REGULATORY INFORMATION

#### US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	de Minimis Concentration
Benzene, mono-C10-13-alkyl derivatives, distillation residues	84961-70-6	Yes	N/Ap	N/Av	No	NS
Benzene, polypropene derivatives	68081-77-6	Yes	N/Ap	N/Av	No	NS

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: None.





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### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Benzene, mono-C10-13-alkyl derivatives, distillation residues	84961-70-6	No	N/Ap	No	No	No	No	No	No
Benzene, polypropene derivatives	68081-77-6	No	N/Ap	No	No	No	No	No	No

### Canadian Information:

All ingredients are present on the DSL.

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Benzene, mono-C10-13-alkyl derivatives, distillation residues	84961-70-6	284-660-7	Present	N/Av	N/Av	N/Av	Present	N/Av
Benzene, polypropene derivatives	68081-77-6	N/Av	Present	Present	N/Av	KE-02585	Present	N/Av

## SECTION 16. OTHER INFORMATION

### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
AIHA: American Industrial Hygiene Association  
AICS: Australian Inventory of Chemical Substances  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
EC50: Effective Concentration 50%  
EPA: Environmental Protection Agency  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
IECSC: Inventory of Existing Chemical Substances  
IMDG: International Maritime Dangerous Goods  
IOC: Inventory of Chemicals  
KECI: Korean Existing Chemicals Inventory  
KECL: Korean Existing Chemicals List  
LC: Lethal Concentration  
LD: Lethal Dose  
N/Ap: Not Applicable  
N/Av: Not Available



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NIOSH: National Institute of Occupational Safety and Health  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
SCBA: Self-Contained Breathing Apparatus  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TWA: Time Weighted Average  
WEEL: Workplace Environmental Exposure Level  
WHMIS: Workplace Hazardous Materials Identification System

### References

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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: 10/10/2025

### Revision No.

: 2

### Revision Information

: 2. HAZARDS IDENTIFICATION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Other special considerations for handling

: Provide adequate information, instruction and training for operators.

#### Prepared for:

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77 Dragon Court  
Woburn, MA, U.S.A. 01888  
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#### Prepared by:

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