

## SAFETY DATA SHEET

## Becker Food Grade Vacuum Pump Oil

Section 1. Identification Date 05/15/20 Version 1		05/15/2017 1	
GHS product identifier	Becker Food Grade Vacuum Pump Oil		
Product type	Liquid.		
Identified uses	Lubricating Oil. Not to be misted.		
Manufacturer	SEVERUS INC. 1101 Susquehanna Ave Superior, WI 54880 Tel: +1 715-395-0946		
Emergency telephone number (with hours of operation)	CHEMTREC: Within USA and Canada: 1-800-424-9300; Outside USA and Canada: +1 703-741-5970 (collect calls a (24/7)	accepted)	

# Section 2. Hazards identification

OSHA/HCS status	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	AQUATIC HAZARD (LONG-TERM) - Category 3
GHS label elements	
Signal word	No signal word.
Hazard statements	Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	Avoid release to the environment.
Response	Not applicable.
Storage	Not applicable.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

None known.

## Section 3. Composition/information on ingredients

Substance/mixture	Mixture
Other means of identification	Not available.

#### CAS number/other identifiers

CAS number Not applicable.

Ingredient name	%	CAS number
2.6 di tott Butul n orogol	0.1 - 1 0.1 - 1	597-82-0 128-37-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

Description of necessary first aid measures		
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	

## Most important symptoms/effects, acute and delayed

Potential acute health effect	ts	
Eye contact	No known significant effects or critical hazards.	
Inhalation	No known significant effects or critical hazards.	
Skin contact	No known significant effects or critical hazards.	
Ingestion	No known significant effects or critical hazards.	
Over-exposure signs/symp	toms	
Eye contact	No known significant effects or critical hazards.	
Inhalation	No known significant effects or critical hazards.	
Skin contact	No known significant effects or critical hazards.	
Ingestion	No known significant effects or critical hazards.	
Indication of immediate med	lical attention and special treatment needed, if necessary	
Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
Specific treatments	No specific treatment.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire. None known.
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides phosphorus oxides
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures			
For non-emergency personnel	Put on appropriate personal protective equipment.		
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".		
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.		
Methods and materials for containment and cleaning up			
Spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.		

# Section 7. Handling and storage

Precautions for safe handling	
Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Avoid contact with used product. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

**Occupational exposure limits** 

Under conditions which may generate mists, the following additional exposure limits are recommended: ACGIH TLV TWA: 5 mg/m<sup>3</sup>; STEL: 10 mg/m<sup>3</sup>.

#### **United States**

Ingredient name		Exposure limits
2,6-di-tert-Butyl-p-cresol		NIOSH REL (United States, 10/2013). TWA: 10 mg/m <sup>3</sup> 10 hours. ACGIH TLV (United States, 3/2016). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction and vapor
Appropriate engineering controls	Good general ventilation shou contaminants.	Id be sufficient to control worker exposure to airborne
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.	
lividual protection measures Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.	
Skin protection		

Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Color	Colorless to yellow.
Odor	Mild hydrocarbon.
Odor threshold	Not available.
рН	Not available.
Melting point	- 44°C (-47.2°F)
Boiling point	Not available.
Flash point	Open cup: 280°C (536°F) [Cleveland.]
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive	Not available.
(flammable) limits	
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.8373
Solubility	Not available.
Partition coefficient: n-	Not available.
octanol/water	
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Kinematic: 0.16 cm²/s (16 cSt) (100°C) Kinematic: 1.008 cm²/s (100.8 cSt) (40°C)
Volatility	Not available.

## Section 10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2,6-di-tert-Butyl-p-cresol	LD50 Oral	Rat	890 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,6-di-tert-Butyl-p-cresol	Eyes - Moderate irritant Skin - Moderate irritant	Rabbit Rabbit		24 hours 100 mg 48 hours 500 mg	-

#### Sensitization

There is no data available.

## Carcinogenicity

#### Classification

Product/ingredient name	OSHA	IARC	NTP
2,6-di-tert-Butyl-p-cresol	-	3	-

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

Information on the likely routes of exposure	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Symptoms related to the phys	ical, chemical and toxicological characteristics
Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Delayed and immediate effects	s and also chronic effects from short and long term exposure
Short term exposure	
Potential immediate effects	No known significant effects or critical hazards.
Potential delayed effects	No known significant effects or critical hazards.
Long term exposure	
Potential immediate effects	No known significant effects or critical hazards.
Potential delayed effects	No known significant effects or critical hazards.
Potential chronic health effect	ts
General	No known significant effects or critical hazards.

General	NO KIOWI SIGNICAN ENECTS OF CHILDEN NAZARUS.		
Carcinogenicity	No known significant effects or critical hazards.		
Mutagenicity	No known significant effects or critical hazards.		
Teratogenicity	No known significant effects or critical hazards.		
Developmental effects	No known significant effects or critical hazards.		
Fertility effects	No known significant effects or critical hazards.		

#### Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

# Section 12. Ecological information

## Toxicity

Product/ingredient name	Result	Species	Exposure
2,6-di-tert-Butyl-p-cresol	Acute EC50 1440 μg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours

#### Persistence and degradability

There is no data available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential			
O,O,O-triphenyl phosphorothioate 2,6-di-tert-Butyl-p-cresol	- 5.1	842 to 2194 330 to 1800	high high			
Mobility in soil						
Soil/water partition There is no data available.						

Other adverse effects No known significant effects or critical hazards.

## Section 13. Disposal considerations

# **Disposal methods** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT	IMDG	ΙΑΤΑ	
UN number	Not regulated.	Not regulated.	Not regulated.	
UN proper shipping name	-	-	-	
Transport hazard class(es)	-	-	-	
Packing group	-	-	-	
Environmental hazards	No.	No.	No.	
Additional information	-	-	-	

**AERG** : Not applicable.

Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Not available.

## Section 15. Regulatory information

U.S. Federal regulations	United States inven	tory (TSC	CA 8b): All co	mponents are li	isted or exemp	ted.	
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	Not listed						
Clean Air Act Section 602 Class I Substances	Not listed	Not listed					
Clean Air Act Section 602 Class II Substances	Not listed						
DEA List I Chemicals (Precursor Chemicals)	Not listed						
DEA List II Chemicals (Essential Chemicals)	Not listed						
SARA 302/304							
Composition/information o	n ingredients						
No products were found.							
SARA 304 RQ	Not applicable.						
SARA 311/312							
Classification	Not applicable.						
Composition/information of	on ingredients						
Namo		Fire	Suddon	Reactive	Immodiato	Delayed	

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard	
2,6-di-tert-Butyl-p-cresol	No.	No.	No.	Yes.	No.	l

#### **SARA 313**

No products were found.

State regulations **Massachusetts** None of the components are listed. **New York** None of the components are listed. **New Jersey** None of the components are listed. Pennsylvania None of the components are listed. California Prop. 65

No products were found.

## Section 16. Other information

History	
Date of issue mm/dd/yyyy	05/15/2017
Version	1
Prepared by	Becker Pumps Corp.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.