

# SAFETY DATA SHEET

## VINOLEO 300

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

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#### 1.1. Product identifier

**Product name** VINOLEO 300  
**Product No.** 164027, 427095, 163491, 163492, SDS

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

**Identified uses** Lubricating grease. Intended for industrial or professional uses only.

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

**Supplier** MacDermid Limited  
198 Golden Hillock Road  
Birmingham  
B11 2PN  
Tel: +44 (0) 121 606 8100  
**Contact Person** sdsuk@macdermid.com

#### 1.4. Emergency telephone number

24 Hour Emergency Incident Number +44 (0)1235 239 670 - NCEC (National Chemical Emergency Centre)

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### SECTION 2: HAZARDS IDENTIFICATION

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#### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**  
Physical and Chemical Hazards Not classified.  
Human health Not classified.  
Environment Not classified.  
**Classification (1999/45/EEC)** Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

**Label In Accordance With (EC) No. 1272/2008**

No pictogram required.

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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#### 3.2. Mixtures

##### **Composition Comments**

No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

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### SECTION 4: FIRST AID MEASURES

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#### 4.1. Description of first aid measures

##### **General information**

Remove affected person from source of contamination.

##### **Inhalation**

Unlikely route of exposure as the product does not contain volatile substances. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

# VINOLEO 300

## **Ingestion**

Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Rinse nose, mouth and throat with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.

## **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. Always remove grease with soap and water or skin cleaning agent, never use organic solvents.

## **Eye contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

### **General information**

See section 11 for additional information on health hazards.

### **Inhalation**

Vapours may irritate throat and respiratory system and cause coughing. Spray mists may cause respiratory tract irritation.

### **Ingestion**

May cause discomfort if swallowed. May irritate and cause stomach pain, vomiting and diarrhoea.

### **Skin contact**

The liquid may irritate the skin. Prolonged contact may cause redness, irritation and dry skin.

### **Eye contact**

May cause temporary eye irritation. Spray and vapour in the eyes may cause irritation and smarting. Irritation, burning, lachrymation, blurred vision after liquid splash.

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

No specific first aid measures noted.

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## **SECTION 5: FIREFIGHTING MEASURES**

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### **5.1. Extinguishing media**

#### **Extinguishing media**

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

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

#### **Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### **Unusual Fire & Explosion Hazards**

Beware, risk of formation of toxic and corrosive gases. May produce dense black smoke.

#### **Specific hazards**

None known.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

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

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours/spray and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. In case of spills, beware of slippery floors and surfaces.

### **6.2. Environmental precautions**

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground. Avoid discharge to the aquatic environment. Do not allow ANY environmental contamination.

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

# VINOLEO 300

Wear necessary protective equipment. Stop leak if possible without risk. To prevent release, place container with damaged side up. Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

## 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in section 13.

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## SECTION 7: HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Do not handle broken packages without protective equipment. Avoid inhalation of vapours/spray and contact with skin and eyes. Use mechanical ventilation in case of handling which causes formation of vapours. Avoid contact with acids and oxidising substances. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Protect from freezing.

#### Storage Class

Chemical storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

<b>Min. Storage Temp (°C)</b>	5
<b>Max. Storage Temp (°C)</b>	40

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1. Control parameters

#### Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

#### Engineering measures

Provide adequate general and local exhaust ventilation. All handling to take place in well-ventilated area.

#### Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Seek advice from supervisor on the companies' respiratory protection standards.

#### Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Seek advice from local supervisor. Splash protection: (breakthrough time > 60 minutes). Polyvinyl chloride (PVC). Neoprene. Prolonged contact: (breakthrough time > 480 minutes). Butyl rubber. (For material thickness = 0.5 mm minimum). Protective gloves should conform to EN 374. The condition of gloves should be checked prior to each use. The selection of gloves should be made with consideration to working practises and the duration of exposure. Consideration should be given to other chemicals being handled and the working environment (e.g. sharps, fine work). Note: Observe manufacturers's recommendations, as the selection of suitable gloves does not only depend on glove material type, and permeability may vary between manufacturers.

#### Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

#### Other Protection

Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.

# VINOLEO 300

## Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove non-impervious clothing that becomes wet. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical's hazardous properties. Eating, smoking and water fountains prohibited in immediate work area.

## Environmental Exposure Controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Appearance</b>	Grease
<b>Colour</b>	White / off-white.
<b>Odour</b>	Characteristic.
<b>Solubility</b>	Disperses in water
<b>Initial boiling point and boiling range (°C)</b>	
Not available.	
<b>Melting point (°C)</b>	
Not available.	
<b>Relative density</b>	0.86 - 0.96 g/ml (20 °C)
<b>Vapour density (air=1)</b>	
Not available.	
<b>Vapour pressure</b>	
Not available.	
<b>Evaporation rate</b>	
Not available.	
<b>pH-Value, Diluted Solution</b>	9 - 11 (10 %)
<b>Viscosity</b>	
Not available.	
<b>Decomposition temperature (°C)</b>	
Not available.	
<b>Odour Threshold, Lower</b>	
Not available.	
<b>Odour Threshold, Upper</b>	
Not available.	
<b>Flash point (°C)</b>	
Not applicable.	
<b>Auto Ignition Temperature (°C)</b>	
Not applicable.	
<b>Flammability Limit - Lower(%)</b>	
Not applicable.	
<b>Flammability Limit - Upper(%)</b>	
Not applicable.	
<b>Partition Coefficient (N-Octanol/Water)</b>	
Not available.	
<b>Explosive properties</b>	
Not applicable.	
<b>Oxidising properties</b>	
Not applicable.	
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

### 9.2. Other information

**Volatile Organic Compound (VOC)** 0 %w/w

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## SECTION 10: STABILITY AND REACTIVITY

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# VINOLEO 300

## **10.1. Reactivity**

Stable under normal temperature conditions and recommended use.

## **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

## **10.3. Possibility of hazardous reactions**

Reacts violently with strong oxidising substances. Reacts violently with strong acids.

### **Hazardous Polymerisation**

Will not polymerise.

## **10.4. Conditions to avoid**

There are no known conditions that are likely to result in a hazardous situation.

## **10.5. Incompatible materials**

### **Materials To Avoid**

Strong oxidising substances. Strong acids.

## **10.6. Hazardous decomposition products**

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

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### **11.1. Information on toxicological effects**

#### **Acute toxicity:**

Based on available data the classification criteria are not met.

#### **Skin Corrosion/Irritation:**

Based on available data the classification criteria are not met.

#### **Serious eye damage/irritation:**

Based on available data the classification criteria are not met.

#### **Respiratory or skin sensitisation:**

Does not contain any substances known to be sensitizing.

#### **Germ cell mutagenicity:**

Does not contain any substances known or suspected to be mutagenic.

#### **Carcinogenicity:**

Does not contain any substances known or suspected to be carcinogenic.

#### **Reproductive Toxicity:**

Does not contain any substances known or suspected to be toxic to reproduction.

#### **Specific target organ toxicity - single exposure:**

Does not contain any substances known or suspected to be specific target organ toxicants after single exposure.

#### **Specific target organ toxicity - repeated exposure:**

Does not contain any substances known or suspected to be specific target organ toxicants after repeated exposure.

#### **Aspiration hazard:**

Not anticipated to present an aspiration hazard based on chemical structure.

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## **SECTION 12: ECOLOGICAL INFORMATION**

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# VINOLEO 300

## Ecotoxicity

The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product does not contain organically bound halogen.

### 12.1. Toxicity

Based on available data the classification criteria are not met.

### 12.2. Persistence and degradability

#### Degradability

The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

#### Partition coefficient

Not available.

### 12.4. Mobility in soil

#### Mobility:

The product is partly soluble in water. May spread in the aquatic environment. Disperses in water

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Keep in original container. Do not puncture or incinerate even when empty.

### 13.1. Waste treatment methods

Environmental manager must be informed of all major spillages. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

## SECTION 14: TRANSPORT INFORMATION

**General** Not regulated. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not relevant

### 14.2. UN proper shipping name

Not relevant

### 14.3. Transport hazard class(es)

Not relevant

### 14.4. Packing group

Not relevant

### 14.5. Environmental hazards

#### Environmentally Hazardous Substance/Marine Pollutant

No.

# VINOLEO 300

## 14.6. Special precautions for user

Not relevant

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

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## SECTION 15: REGULATORY INFORMATION

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

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

#### **Approved Code Of Practice**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **EU Legislation**

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Regulation (EC) No 790/2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP). Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 286/2011 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

#### **Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

#### **Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

#### **Water hazard classification**

WGK 1

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

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#### **General information**

Physical data included in this SDS do not constitute the Product Specification -see separately supplied documentation. Supply classification prepared by calculation.

#### **Revision Comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision Date** 29/09/2016

**Revision** 2

**Safety Data Sheet Status** Approved.

**Signature** AA

#### **Risk Phrases In Full**

NC Not classified.

#### Disclaimer

This information relates only to the specific material as supplied and may not be valid for such material if used in combination with any other material(s) or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. The data should not be construed as guaranteeing specific properties of the product described or its suitability for a particular application, nor does it make any warranty, either express or implied of merchantability for the product itself. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.