### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Sipiol WL 1120-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use/Class:</td>
<td>Aqueous Coating</td>
</tr>
</tbody>
</table>

LORD Germany GmbH  
Ottostrasse 28  
D-41836 Huckelhoven Germany

Telephone: +49 (0) 2433-5257-0  
Fax: +49 (0) 2433-5257-18  
Chemtrec 24 Hr Transportation Emergency No.  
Germany: (0) 800-181-7059

LORD Corporation  
111 LORD Drive  
Cary, NC 27511-7923 USA

Telephone: 814 868-3180  
Non-Transportation Emergency: 814 763-2345  
Chemtrec 24 Hr Transportation Emergency No.  
800 424-9300 (Outside Continental U.S. 703 527-3887)

**EFFECTIVE DATE:** 12/09/2019

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATION:**  
- Aspiration hazard Category 1  
- Hazardous to the aquatic environment - acute hazard Category 3  
- Hazardous to the aquatic environment - chronic hazard Category 3

**GHS LABEL ELEMENTS:**

**Symbol(s):**

![Symbol]

**Signal Word**

DANGER

**Hazard Statements**

- May be fatal if swallowed and enters airways.  
- Harmful to aquatic life.  
- Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention**

Avoid release to the environment.

**Response**

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
- Do NOT induce vomiting.

**Storage**

Store locked up.

**Disposal:**
Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:
This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: May cause mild eye and skin irritation. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: Prolonged or repeated contact may result in dermatitis. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees F (150 C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and known cancer hazard. Workplace exposure to formaldehyde is regulated by OSHA Standard 29 CFR 1910.1048. IARC has designated carbon black as Group 2B - inadequate evidence for carcinogenicity in humans, but sufficient evidence in experimental animals. In 2006 IARC reaffirmed its 1995 finding that there is "inadequate evidence" from human health studies to assess whether carbon black causes cancer in humans. Further, epidemiological evidence from well-conducted investigations has shown no causative link between carbon black exposure and the risk of malignant or non-malignant respiratory disease in humans.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>0.1 - 0.9 %</td>
</tr>
<tr>
<td>Isotridecanol</td>
<td>27458-92-0</td>
<td>0.1 - 0.9 %</td>
</tr>
</tbody>
</table>

Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

### 4. FIRST AID MEASURES

**FIRST AID - EYE CONTACT:** Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

**FIRST AID - SKIN CONTACT:** Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

**FIRST AID - INHALATION:** Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

### 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined for this product.

**SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:** Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Avoid contact. Avoid breathing vapors. Use appropriate respiratory protection for large spills or spills in confined area.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.
7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be reused. Use with adequate ventilation.

STORAGE: Store only in well-ventilated areas. Keep from freezing. Keep container closed when not in use.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV- TWA</th>
<th>ACGIH TLV- STEL</th>
<th>OSHA PEL- TWA</th>
<th>OSHA PEL- CEILING</th>
<th>Skin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>3 mg/m³</td>
<td>N.E.</td>
<td>3.5 mg/m³</td>
<td>N.E.</td>
<td>N.A.</td>
</tr>
<tr>
<td>Isotridecanol</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

RESPIRATORY PROTECTION: Use a NIOSH approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality. Note: If the exposure limit for formaldehyde is exceeded, a formaldehyde-specific, formaldehyde/organic vapor combination, or airline respirator may be required.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODOR:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>APPEARANCE:</td>
<td>Black</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>FLASH POINT:</td>
<td>≥ 201 °F, 93 °C</td>
</tr>
<tr>
<td>BOILING RANGE:</td>
<td>100 °C</td>
</tr>
<tr>
<td>AUTOIGNITION TEMPERATURE:</td>
<td>N.D.</td>
</tr>
<tr>
<td>DECOMPOSITION TEMPERATURE:</td>
<td>N.D.</td>
</tr>
<tr>
<td>ODOR THRESHOLD:</td>
<td>N.D.</td>
</tr>
<tr>
<td>SOLUBILITY IN H2O:</td>
<td>Soluble</td>
</tr>
<tr>
<td>pH:</td>
<td>N.A.</td>
</tr>
<tr>
<td>VAPOR PRESSURE:</td>
<td>N.D.</td>
</tr>
<tr>
<td>VAPOR DENSITY:</td>
<td>Heavier than Air</td>
</tr>
<tr>
<td>LOWER EXPLOSIVE LIMIT:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>UPPER EXPLOSIVE LIMIT:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>EVAPORATION RATE:</td>
<td>Slower than n-butyl-acetate</td>
</tr>
<tr>
<td>DENSITY:</td>
<td>1.02 g/cm³ - 8.52 lb/gal</td>
</tr>
<tr>
<td>VISCOSITY, DYNAMIC:</td>
<td>≥10 mPa.s @ 25 °C</td>
</tr>
<tr>
<td>VISCOSITY, KINEMATIC:</td>
<td>≥10 mm²/s @ 25 °C</td>
</tr>
<tr>
<td>VOLATILE BY WEIGHT:</td>
<td>66.51 %</td>
</tr>
<tr>
<td>VOLATILE BY VOLUME:</td>
<td>68.29 %</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: May contain CO, CO2, oxides of nitrogen, oxides of sulfur, halogenated by-products

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>Oral LD50: Rat &gt; 15,400 mg/kg, Dermal LD50: Rabbit &gt; 3 g/kg, GHS LC50 (vapour): Acute toxicity point estimate 55 mg/l</td>
</tr>
<tr>
<td>Isotridecanol</td>
<td>Oral LD50: Rat 4,750 mg/kg, Dermal LD50: Rabbit 5,940 mg/kg</td>
</tr>
</tbody>
</table>

Germ cell mutagenicity: No classification proposed

Carcinogenicity: No classification proposed

Reproductive toxicity: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>N.D.</td>
</tr>
<tr>
<td>Isotridecanol</td>
<td>Fish: Pimephales promelas 0.33 mg/96 h, Invertebrates: Daphnia magna 0.19 mg/48 h, Plants: Desmodesmus subspicatus 1.8 mg/72 h</td>
</tr>
</tbody>
</table>

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.
DISPOSAL METHOD: Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

This product is NOT REGULATED for non-bulk shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS:

SARA SECTION 313
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.:

None

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS
The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

16. OTHER INFORMATION

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS RATINGS - HEALTH: 1* FLAMMABILITY: 1 PHYSICAL HAZARD: 0
* - Indicates a chronic hazard; see Section 2

Revision: Section 2, Section 3, Section 8, Section 11, Section 12

Effective Date: 12/09/2019

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.