

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

### 1 Identification

**- Product identifier**

**- Trade name: RSF 16 VZ**

**- Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

**- Application of the substance / the mixture**

Lubricant  
Industrial use

**- Details of the supplier of the safety data sheet**

**- Manufacturer:**

Rösler Oberflächentechnik GmbH  
Hausen 1  
D-96231 Bad Staffelstein

Tel.: +49/9533/924-0  
Fax : +49/9533/924-300  
info@rosler.com  
www.rosler.com

**- Supplier:**

Rösler Metal Finishing USA, L.L.C.  
1551 Denso Road  
Battle Creek, MI 49037  
USA

Phone: +1(269)441-3000  
Fax: +1(269)441-3001  
rosler-us@rosler.com  
www.rosler.us

**- Emergency telephone number:**

Emergency Number (24h emergency contact): CHEMTREC Phone: (800)-424-9300

### 2 Hazard(s) identification

**- Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

**- Label elements**

**- GHS label elements** Void

**- Hazard pictograms** Void

**- Signal word** Void

**- Hazard statements** Void

**- Other hazards**

**- Results of PBT and vPvB assessment**

**- PBT:** Not applicable.

**- vPvB:** Not applicable.

### 3 Composition/information on ingredients

**- Chemical characterization: Mixtures**

**- Description:** Mixture of the substances listed below with nonhazardous additions.

**- Dangerous components:**

4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	1-5%
-----------	--	------

(Contd. on page 2)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

Trade name: RSF 16 VZ

		(Contd. of page 1)
68411-46-1	benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	0.1-1%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth with plenty of water.

Do not induce vomiting; immediately call for medical help.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** Wear self-contained respiratory protective device.

- **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the collected material according to regulations.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Open and handle receptacle with care.

Avoid splashes or spray in enclosed areas.

Extractors are required on all machines used for thermal processing or splinter removal processes.

- **Information about protection against explosions and fires:** No special measures required.

(Contd. on page 3)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

Trade name: RSF 16 VZ

(Contd. of page 2)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
  - Store in dry conditions.
  - Keep receptacle tightly sealed.
  - Store at 41°F to 86°F
  - Can be stored for at least 2 years.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - The usual precautionary measures for handling chemicals should be followed.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
  - Do not eat, drink, smoke or sniff while working.
- **Breathing equipment:**
  - Not necessary in case of intended use.
  - Use suitable respiratory protective device if vapors occur or aerosol is formed.
  - Filter A/P2
- **Protection of hands:**
  -  Protective gloves
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - To avoid skin problems reduce the wearing of gloves to the required minimum.
  - After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
  - e.g.
  - Butyl rubber, BR
  - Natural rubber, NR
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Nitrile rubber, NBR
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended

(Contd. on page 4)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

Trade name: RSF 16 VZ

(Contd. of page 3)

- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

#### - Information on basic physical and chemical properties

##### - General Information

##### - Appearance:

**Form:** Pasty  
**Color:** Brown  
**Odor:** Characteristic

##### - pH-value at 20 °C (68°F):

**pH-Value; 5g/l at 20 °C (68°F):** Not determined

##### - Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** > 300 °C (> 572 °F)

- **Flash point:** > 250 °C (> 482 °F)

- **Flammability (solid, gaseous):** Not applicable.

##### - Ignition temperature:

**Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

##### - Explosion limits:

**Lower:** Not determined.  
**Upper:** Not determined.

- **Vapor pressure:** Not determined.

- **Density at 20 °C (68°F):** 0.85 g/cm<sup>3</sup> (7.093 lbs/gal)

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

##### - Solubility in / Miscibility with

**Water:** Insoluble.

- **Partition coefficient (n-octanol/water):** Not determined.

##### - Viscosity:

**Kinematic:** Not determined  
**Dynamic at 22 °C (72°F):** Not determined

- **Other information** No further relevant information available.

(Contd. on page 5)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

Trade name: RSF 16 VZ

(Contd. of page 4)

### 10 Stability and reactivity

- **Reactivity** No dangerous reactions in case of intended use.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.  
Decomposition starts at > 250 °C.
- **Possibility of hazardous reactions**  
Reacts with oxidizing agents.  
Reacts with strong acids and alkali.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None in case of intended use and storage.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** No further relevant information available.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

- <b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients is listed.
- <b>NTP (National Toxicology Program)</b>
None of the ingredients is listed.
- <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Avoid transfer into the environment.

(Contd. on page 6)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

Trade name: RSF 16 VZ

(Contd. of page 5)

### - Results of PBT and vPvB assessment

The product contains no substance which is considered to be persistent, bioaccumulative or toxic (PBT) or as very persistent and very bioaccumulative (vPvB).

- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

### - Waste treatment methods

#### - Recommendation:

Dispose of in accordance with all applicable federal, state and local regulations.

Disposal must be made according to official regulations.

Must be specially treated adhering to official regulations.

### - Uncleaned packagings:

#### - Recommendation:

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

Disposal must be made according to official regulations.

## 14 Transport information

### - UN-Number

- DOT, ADR, ADN, IMDG, IATA Void

### - UN proper shipping name

- DOT, ADR, ADN, IMDG, IATA Void

### - Transport hazard class(es)

### - DOT, ADR, ADN, IMDG, IATA

- Class Void

### - Packing group

- DOT, ADR, IMDG, IATA Void

- Environmental hazards: Not applicable.

- Special precautions for user Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

- Transport/Additional information: Not dangerous according to the above specifications.

- UN "Model Regulation": -

## 15 Regulatory information

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

#### - Sara

#### - Section 355 (extremely hazardous substances):

None of the ingredient is listed.

#### - Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

#### - TSCA (Toxic Substances Control Act):

All ingredients are listed.

(Contd. on page 7)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/30/2015

Version 17

Reviewed on 04/21/2015

Trade name: RSF 16 VZ

(Contd. of page 6)

**- Proposition 65**

**- Chemicals known to cause cancer:**

None of the ingredients is listed.

**- Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**- Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**- Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**- Cancerogenity categories**

**- EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**- TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**- NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**- Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product features and shall not establish a legally valid contractual relationship. The user is responsible for determining whether the product is suitable for its intended conditions of use.

**- Department issuing SDS:**

Rösler Oberflächentechnik GmbH  
Department of Product Control

**- Contact:** SDS Coordinator

**- Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

**- Sources**

For the preparation of this SDS information from our suppliers, information on chemicals from the European Chemicals Agency (ECHA) and data from the GESTIS database were used.