

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.06.2011

Revision: 15.06.2011

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Dirko grau/Oxim // Dirko schwarz/Oxim
- **Elring article number:** 036.161/610.020 // --
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Sealing compound

### 2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** void
  - **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- 
- **Label elements**
  - **Labelling according to EU guidelines:**  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).  
Observe the normal safety regulations when handling chemicals  
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
  - **Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Polydimethylsiloxane with inorganic filler and Oximosilane-curable.

· **Dangerous components:**

CAS: 37859-57-7	Methyltris(methylisobutylketoximo)silan	Xn R48/22 R53	< 2.5%
CAS: 156145-64-1 ELINCS: 421-860-7	Vinyloximinosilan	Xn R48/22 R53	< 2.5%

- **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** Take affected persons into the open air.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**  
Remove from the skin using a cloth or paper. Then clean with water and soap.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.

(Contd. on page 2)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.06.2011

Revision: 15.06.2011

Trade name: **Dirko grau/Oxim // Dirko schwarz/Oxim**

Seek immediate medical advice.

(Contd. of page 1)

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet.  
Use fire fighting measures that suit the environment.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Collect mechanically.  
Dispose of the material collected according to regulations.
- **Reference to other sections** By-products are released by a reaction with atmospherical humidity. See chapter 8.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.  
Protect from heat and direct sunlight.

### 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.
- **CAS No. Designation of material % Type Value Unit**  
While curing the following substances are formed and released by a reaction with atmospheric humidity:  
CAS-Nr. Designation of material % Type Value Unit  
105-44-2 Methyl isobutyl ketoxime ca.4  
This substance is rated as harmful and irritant. However no limit values for workplaces are settled.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.  
Keep away from foodstuffs, beverages and food.  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Not required.
- **Material of gloves** Not applicable
- **Penetration time of glove material** Not applicable

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.06.2011

Revision: 15.06.2011

Trade name: Dirko grau/Oxim // Dirko schwarz/Oxim

(Contd. of page 2)

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form: Pasty
  - Colour: According to product specification
  - Odour: Characteristic
- **Change in condition**
  - Boiling point/Boiling range: Not applicable
- **Flash point:** >151°C
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.
- **Density at 20°C** ca. 1.4 g/cm<sup>3</sup>
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Hazardous decomposition products:**
  - None if stored according to specifications.
  - >150°C:
  - Small quantities of formaldehyde may be formed

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
  - The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
  - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
- **Other information:** The product isn't biodegradable.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.06.2011

Revision: 15.06.2011

Trade name: **Dirko grau/Oxim // Dirko schwarz/Oxim**· **vPvB:** Not applicable.

(Contd. of page 3)

**13 Disposal considerations**· **Waste treatment methods**· **Recommendation**

Not cured product may not be disposed off together with household waste and may not reach sewing system. To dispose off open product containers and let them stand at open air until the reaction is finished totally (means there is no more smell). After that waste can be disposed off as the cured product. Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

· **Uncleaned packagings:**· **Recommendation:**

Packaging is to be completely emptied (without residue) and with the observance of national regulations. This is preferably accomplished through recycling or reutilization.

**14 Transport information**· **Land transport ADR/RID (cross-border)**· **ADR/RID-GGVS/E Class:** -· **Maritime transport IMDG:**· **IMDG Class:** -· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** -· **Special precautions for user** Not applicable.· **Transport/Additional information:** Not dangerous according to the above specifications.**15 Regulatory information**· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **National regulations**

If nothing other is noted, the following remarks refer to regulations of the Federal Republic of Germany.

If nothing other is noted, the following remarks refer to regulations of the Federal Republic of Germany.

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

The safety data sheet shows the essential physical, toxicological, ecological and safety data of this product as well as it gives recommendations for a safe handling e.g. at storage, usage and transport. The appropriate information shall be used to protect people and environment. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual

(Contd. on page 5)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 15.06.2011

Revision: 15.06.2011

**Trade name: Dirko grau/Oxim // Dirko schwarz/Oxim**

(Contd. of page 4)

*relationship. The consignee of our products must observe existing laws and regulations in his own responsibility even if these are not mentioned in this safety data sheet.*

**· Relevant phrases**

*R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.*

*R53 May cause long-term adverse effects in the aquatic environment.*

**· Department issuing data specification sheet: 2SEW**

**· Contact: Mr. Anhorn**

**· \* Data compared to the previous version altered.**