1. Product and Company Identification

**PROGUARD : MAXGLOSS PRIMER PG 406**  
(Use: Raw material, for industrial use only)

Firma:  
isi GmbH  
Ilgner – Schleif – Innovationen GmbH  
D-51598 Friesenhagen - Steeg  
Telefon 0049/2294/993818 - 0  
Telefax 0049/2294/993818-30  

Further information obtainable from: mail@ilgner-schleif-innovationen.com  
Information in case of emergency: Tel.: 0049/30/19240

2. Hazards Identification

Emergency overview

**CAUTION:**  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

State of matter: liquid  
Colour: white  
Odour: faint odour

Potential health effects  
Primary routes of exposure:  
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute toxicity:**  
Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from products of a similar structure or composition.

**Irritation / corrosion:**  
Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes. The product has not been tested. The statement has been derived from products of a similar structure or composition.

**Chronic toxicity:**  
Repeated dose toxicity: No adverse effects were observed after repeated inhalative exposure in animal studies. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Potential environmental effects  
**Aquatic toxicity:**  
There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>40.0 - 60.0 %</td>
<td>Water</td>
</tr>
<tr>
<td></td>
<td>40.0 - 60.0 %</td>
<td>NJTS-50078-NCD</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

**General advice:**
Remove contaminated clothing.

**If inhaled:**
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

**If on skin:**
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**
Flush with copious amounts of water for at least 15 minutes. If irritation develops, seek medical attention.

**If swallowed:**
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-Fighting Measures

**Flash point:**
> 300 °F

**Lower explosion limit:**
(Unspecified)

**Upper explosion limit:**
not applicable

**Self-ignition temperature:**
not applicable

**Suitable extinguishing media:**
water spray, foam, dry powder

**Hazards during fire-fighting:**
No particular hazards known.

**Protective equipment for fire-fighting:**
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.
### 6. Accidental release measures

**Personal precautions:**
Use personal protective clothing. Avoid contact with skin and eyes.

**Environmental precautions:**
Do not release untreated into natural waters.

**Cleanup:**
Spills should be contained, solidified, and placed in suitable containers for disposal.

**Further information:**
High risk of slipping due to leakage/spillage of product.

### 7. Handling and Storage

**Handling**

**General advice:**
Handle in accordance with good industrial hygiene and safety practice. No special measures necessary provided product is used correctly. Ensure adequate ventilation.

**Storage**

**General advice:**
Store protected against freezing.

### 8. Exposure Controls and Personal Protection

**Personal protective equipment**

**Respiratory protection:**
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed. Wear respiratory protection if ventilation is inadequate.

**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

**General safety and hygiene measures:**
Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.
## 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>faint odour</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>pH value</td>
<td>7.5 - 9.0 (DIN ISO 976)</td>
</tr>
<tr>
<td>Melting point</td>
<td>0 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100 °C</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>23.4 hPa (20 °C)</td>
</tr>
<tr>
<td>Density</td>
<td>approx. 1.04 g/cm³ (20 °C) (ISO 2811-1)</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>700 - 1,500 mPa.s (23 °C) (DIN EN ISO 3219)</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>partly soluble</td>
</tr>
<tr>
<td>Miscibility with water</td>
<td>miscible</td>
</tr>
<tr>
<td>Other Information</td>
<td>Range of particle size: &lt; 0.1 μm - 10 μm</td>
</tr>
</tbody>
</table>

## 10. Stability and Reactivity

### Conditions to avoid:
Avoid extreme heat.

### Substances to avoid:
metal salts

### Hazardous reactions:
The product is chemically stable.

### Decomposition products:
Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrocarbons

### Thermal decomposition:
No decomposition if used correctly.

### Corrosion to metals:
Corrosive effects to metal are not anticipated.

### Oxidizing properties:
not fire-propagating
11. Toxicological information

**Acute toxicity**

**Oral:**
- Type of value: LD50
- Species: rat
- Value: > 2,000 - 10,000 mg/kg

**Irritation / corrosion**
- Skin: Species: rabbit
- Result: non-irritant
- Method: OECD Guideline 404

**Eye:**
- Species: rabbit
- Result: non-irritant
- Method: OECD Guideline 405

**Other Information:**
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

12. Ecological Information

**Fish**
- Acute: OECD Guideline 203 static
  - Brachydanio rerio/LC50 (96 h): > 100 mg/l

**Aquatic invertebrates**
- Acute: OECD Guideline 202, part 1 static
  - Daphnia magna/EC50 (48 h): > 100 mg/l

**Aquatic plants**
- Toxicity to aquatic plants:
  - OECD Guideline 201 green algae/EC50 (72 h): > 100 mg/l
  - Nominal concentration.

**Microorganisms**
- Toxicity to microorganisms:
  - DIN EN ISO 8192-OECD 209-88/302/EEC,P. C activated sludge, domestic/EC20 (0.5 h): > 100 mg/l
  - The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Degradability / Persistence

Biological / Abiological Degradation

Test method: OECD 302B; ISO 9888; 88/302/EEC, part C
Method of analysis: DOC reduction
Degree of elimination: > 70 %
Evaluation: Easily eliminated from water.
The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Bioaccumulation

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Other adverse effects:

Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected.
Ecological data are determined by analogy.

13. Disposal considerations

Waste disposal of substance:
Incorporate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater.

Container disposal:
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

Land transport
USDOT Not classified as a dangerous good under transport regulations
Sea transport
IMDG Not classified as a dangerous good under transport regulations
Air transport
IATA/ICAO Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations
Registration status: Chemical TSCA, US released / listed
OSHA hazard category: Not hazardous;
EPCRA 311/312 (Hazard categories):
State regulations

CA Prop. 65:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.
16. Other Information

<table>
<thead>
<tr>
<th>HMIS III Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health: 1</td>
</tr>
<tr>
<td>Flammability: 1</td>
</tr>
<tr>
<td>Physical hazard: 0</td>
</tr>
</tbody>
</table>

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.