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

- **Product details**
- **Trade name:** *NEOFLON FEP ND-110 (F rank)*
- **Article number:** 1106
- **Application of the substance / the preparation** Coating
- **Manufacturer/Supplier:**  
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## 2 Hazards identification

- **GHS label elements** Void

## 3 Composition/information on ingredients

- **Chemical characterization:**

25067-11-2 FEP	50-60%
7732-18-5 water	35-45%
Polyoxyethylene glycol Alkyl ether	<5%
- **Description:** Mixture: consisting of the following components.  
*Danger: skull and crossbones 3.1.O/3; corrosion 3.3/1*

## 4 First-aid measures

- **General information:** Seek immediate medical advice.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
After contact with the molten product, cool rapidly with cold water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**  
Vapors and fumes liberated during hot processing with this material may cause flu-like symptoms (chills, fever and, sometimes, cough) that may not occur until several hours after exposure and typically pass within about 36 to 48 hours.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear fully protective suit.

## 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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- **Additional information:** No dangerous substances are released.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Extractors are required on all machines used for thermal processing or splinter removal processes.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Provide solvent resistant, sealed floor.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in dry conditions.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients 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 valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Wash hands before breaks and at the end of work.  
Keep away from tobacco products.
- **Respiratory protection:**  
Suitable respiratory protective device recommended.  
For conditions where exist a potential for significant exposure to fumes and/or toxic vapours use a full-face-mask with the acid and organic vapor cartridges.
- **Protection of hands:**



Protective gloves

- **Material of gloves:** Synthetic rubber gloves
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · General Information

**Form:** Liquid  
**Colour:** Transparent  
**Odour:** Ammonia-like

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 100°C

- **Flash point:** Not applicable.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 25°C:** 1,40-1,43 g/cm<sup>3</sup>

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- **Solubility in / Miscibility with water:** Fully miscible.
- **pH-value at 25°C:** 8-9

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
To avoid thermal decomposition do not overheat.  
Even at the temperatures reached during the normal hot processing of fluoropolymers fume will be generated, that will present a potential health hazard.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**  
Fluorophosgene on contact with naked flame or red hot objects.  
Danger of toxic fluorine based pyrolysis products.

## 11 Toxicological information

- **Acute toxicity:** no data

## 12 Ecological information

- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN "Model Regulation":** -

## 15 Regulatory information

- **Special labelling of certain preparations:**  
Do not spray on a naked flame or any incandescent material.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Toxicology and Product Regulatory
- **Contact:** <http://www.daikin.com/>
- **Abbreviations and acronyms:** GHS: Globally Harmonized System of Classification and Labelling of Chemicals