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**SAFETY DATA SHEET**

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**1 Identification of the substance or preparation and of the company/undertaking**

Product Name: **NOxCare 32.5%**  
Datasheet Number: 32 2. 1. 0  
Use of the substance/preparation: Smoke cleaning (DeNOx)  
Name of Supplier: Yarwil AS  
Address of Supplier: Strandveien 20  
NO 1324 LYSAKER  
Norway  
Telephone: +47 67586900  
Fax: +47 67586901  
Responsible Person:  
Email: info@yarwil.com  
Name of Manufacturer: Yarwil Norge AS  
Address of Manufacturer: P.O.Box 2464, Solli  
N-0202 Oslo  
Norway  
Telephone: +47 24 15 70 00  
Emergency Telephone: +47 22 59 13 00 (Giftinformasjonen)

**2 Hazards identification**

- Odour: Slight smell of ammonia
- Appearance: colourless, aqueous solution
- Contact with eyes: May cause redness and irritation
- Contact with skin: In cases of severe exposure, redness and irritation may develop
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances
- The product is not classified as hazardous according to directive 1999/45/EEC

**3 Composition/information on ingredients**

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Urea	32.5	57-13-6	200-315-5	-	-
Water	67.5	7732-18-5	231-791-2	-	-

**4 First aid measures**

## Contact with skin

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water (S27/28)
- Contaminated clothing should be laundered before reuse
- Seek medical attention if irritation persists

## Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water
- Seek medical attention if irritation persists

## Ingestion

- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Do not induce vomiting
- Obtain immediate medical attention

## Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air
- Seek medical attention if ill effects occur

## General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

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## 5 Fire-fighting measures

- Nitrogen and carbon oxides may be formed, Ammonia may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Wear Positive-Pressure Breathing Apparatus

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## 6 Accidental release measures

### Personal Precautions

- Wear protective clothing as per section 8

### Environmental Precautions

- Do not flush spilt material into any public water system

### Clean Up Actions

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

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## 7 Handling and storage

### Handling

- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available

### Storage

- Do not store above 60 °C
- Opened containers should be carefully resealed and stored in an upright position

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## 8 Exposure controls and personal protection

### Exposure Limits

- No exposure limits have been set for this substance

### Exposure controls

- No special precautions are required for this product

### Occupational exposure controls

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- Wash hands thoroughly after using this substance



Goggles



Suit



Gloves



No Smoking

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## 9 Physical and chemical properties

- Odour: Slight smell of ammonia
- Appearance: colourless, aqueous solution
- pH 9.8 - 10 at 100 % concentration
- Boiling point (212°F), 100 °C at 760 mm /Hg, decomposes
- Freezing point (11.3°F), -11.5 °C at 760 mm/Hg
- Completely soluble in water
- Density 1.087 - 1.093 g/cm<sup>3</sup> at 20 deg C

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## 10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid contact with oxidising substances, Avoid contact with acid
- Contact with oxidizing substances liberates explosive gas
- Decomposition products may include nitrogen and carbon oxides, Decomposition products may include ammonia

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## 11 Toxicological information

### Inhalation

- Not regarded as a potential route of exposure.

## 11 Toxicological information (....)

### Contact with skin

- In cases of severe exposure, redness and irritation may develop

### Contact with eyes

- May cause redness and irritation

### Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances

### Carcinogenicity

- No evidence of carcinogenic effects
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## 12 Ecological information

### Ecotoxicity

- On available data, substance is not harmful to aquatic life
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

### Mobility

- Completely soluble in water

### Persistence and Biodegradability

- Readily biodegradable

### Bioaccumulation Potential

- Bioaccumulation is insignificant
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## 13 Disposal considerations

### Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
  - Disposal should be in accordance with local, state or national legislation
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## 14 Transport information

- Not classified as hazardous for transport
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## 15 Regulatory information

### Risk Phrases

- Not applicable

### Safety Phrases

- Not applicable
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## 16 Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with the EC Directive 2001/59/EC