

SAFETY DATA SHEET  
(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

**FINEAMIN® 88 SCAV 25**

**SECTION 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**1.1 Product identifier**

**Trade name:** *FINEAMIN® 88 SCAV 25*

**Product code:** *88-25*

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the preparation:** Additive for steam boilers and closed circuits.  
Corrosion and tartar inhibitor

**1.3 Details of the supplier of the safety data sheet:**

**Manufacturer/Supplier:**

**FINEAMIN SA**

av. des Grandes-Communes 8 CH-1213 Petit-Lancy,  
Genève Tel. +41 22 552 2535

Fax +41 22 552 2536; Email: [info@fineamin.ch](mailto:info@fineamin.ch)

**1.4 Emergency telephone number:**

145

International : 0041 44 251 51 51

**SECTION 2 - HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

**H315:** Skin irritation, Category 2.

**H319:** Eye irritation, Category 2



GHS07

**Information concerning particular hazards for human and environment:**

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**

GHS07

**Signal word:**

Warning

**Hazard-determining components of labelling:**

N,N-diethylhydroxylamine

***Hazard statements:*****H315:**

Causes skin irritation.

**H319:**

Causes serious eye irritation.

***Precautionary statements - Prevention:*****P280:**

Wear protective gloves/protective clothing/eye protection/face protection.

***Precautionary statements - Response*****P302+P352:**

IF ON SKIN: Wash with plenty of water/...

**P305+P351+P338:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P332 + P313:**

If skin irritation occurs: Get medical advice/attention.

**P337 + P313:**

If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH:

<http://echa.europa.eu/fr/candidate-list-table>

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC1907/2006.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Chemical characterisation:****Mixtures****Description:**

Mixture consisting of the following components and non-hazardous substances in water

**Dangerous componets:**

(EC) 1272/2008

Index: 471593

N,N-diethylhydroxylamine

25 <= x % < 50

CAS: 3710-84-7

EINECS: 223-055-4

RTECS: NC 3500000

Reg.nr.: 01-2119962470-39-xxxx

Reg.nr.: 01-2119487002-46-xxxx



Xn  
R21  
R10



Xi  
R36/38



Flam. Liq. 3, H226;  
2, H315 ; Eye Irrit. 2, H319  
GHS07, GHS02



Acute Tox. 4, H312; Skin Irrit.

**Additional information:**

For the wording of the listed risk phrases, refer to section 16.

**SECTION 4 - FIRST AID MEASURES****4.1 Description of first aid measures****General information:**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

**In the event of exposure by inhalation:**

Breathe in fresh air.

**In the event of splashes or contact with eyes :**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc.

**In the event of swallowing :**

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

Treat symptomatically and supportively.

**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**SECTION 5 - FIREFIGHTING MEASURES**

NON-FLAMMABLE

**5.1 Suitable extinguishing agents:**

In the event of a fire, use foam or dry sand.

**5.2 Special hazards arising from the substance or mixture:**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

**5.3 Advice for firefighters:****Protective equipment:**

No further relevant information available.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment, and emergency procedures:**

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker:**

Avoid any contact with the skin and eyes.

**For first aid worker:**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

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<b>6.2 Environmental precautions:</b>	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.
<b>6.3 Methods and material for containment and cleaning up:</b>	If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water. Clean preferably with a detergent, do not use solvents.
<b>6.4 Reference to other sections:</b>	See <i>Section 7</i> for information on safe handling. See <i>Section 8</i> for information on personal protective equipment. See <i>Section 13</i> for disposal information.

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## SECTION 7- HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

<b>7.1 Precautions for safe handling:</b>	Always wash hands after handling. Remove and wash contaminated clothing before re-using.
<b>Fire prevention:</b>	Prevent access by unauthorised personnel.
<b>Recommended equipment and procedures :</b>	For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Avoid skin and eye contact with this mixture.
<b>Prohibited equipment and procedures :</b>	No smoking, eating or drinking in areas where the mixture is used.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Storage: Requirements to be met by storerooms and receptacles:</b>	Well ventilated.
<b>Information about storage in one common storage facility:</b>	Not required.

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**Further information about storage conditions:**

Keep the container tightly closed in a dry, well-ventilated place.

**Packaging:**

Always keep in packaging made of an identical material to the original.

**7.3 Specific end use(s):**

No further relevant information available.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

No data available

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas

**Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :****Respiratory protection:**

Not required.

**Protection of hands:**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Gloves must be selected according to the application and duration of use at the workstation.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

**Eye protection:**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection.

**Body protection:**

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.  
Provide eyewash stations in facilities where the product is handled constantly.

Avoid skin contact.  
Wear suitable protective clothing.  
Work clothing worn by personnel shall be laundered regularly.  
After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****General information**

<b>Appearance:</b>	<b>Form:</b> Fluid liquid
	<b>Colour:</b> Light yellow
<b>Odour:</b>	Characteristic
<b>pH-value:</b>	Not relevant
<b>Vapour pressure at 50 °C:</b>	Below 110 kPa (1.10 bar)
<b>Solubility in / Miscibility with water:</b>	Soluble

**9.2 Other information:** No further relevant information available.

**SECTION 10 – STABILITY AND REACTIVITY**

**10.1 Reactivity** No data available

**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.  
This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3 Possibility of hazardous reactions:** No data available.

**10.4 Conditions to avoid:** Avoid frost.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No data available.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.  
May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

#### 11.1.1 Substances

##### Acute toxicity:

N,N-DIETHYLHYDROXYLAMINE (CAS: 3710-84-7)	Oral	LD50	2190 mg/kg (rat)
	Dermal	LD50	1300 mg/kg (rabbit)
	Inhalation	LD50	%@IDC_LA_INHAL_QUANTIFIERS 3140 %@IDC_LA_INHAL_UNITS

**11.1.2 Mixture** No toxicological data available for the mixture.

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### 12.1.1 Substances:

N,N-DIETHYLHYDROXYLAMINE (CAS: 3710-84-7)

##### Crustacean toxicity:

EC50 = 110.5 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h



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**21.1.2 Mixtures:** No aquatic toxicity data available for the mixture.

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**12.2 Persistence and degradability:**

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**12.2.1 Substances**

N,N-DIETHYLHYDROXYLAMINE (CAS: 3710-84-7)

**Biodegradability:** Non-rapidly degradable.

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**12.3 Bio accumulative potential:** No further relevant information available.

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**12.4 Mobility in soil:** No further relevant information available.

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**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

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**12.6 Other adverse effects:** No further relevant information available.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

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**13.1 Waste treatment methods**

**Recommendation:** Do not pour into drains or waterways.

**Waste :** Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

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**Soiled packaging :**

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

**SECTION 14 – TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

**SECTION 15 – REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

No further relevant information available.

**Classification and labelling information included in section 2:**

The following regulations have been used:  
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.  
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.  
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.  
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.  
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

**Container information:**

No data available.

**Particular provisions :**

No data available.

**Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):**

NFPA 704, Labelling: Health=2 Inflammability=1  
Instability/Reactivity=1 Specific Risk=none

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**SECTION 16 – OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Relevant phrases:**

<b>H226</b>	Flammable liquid and vapour.
<b>H312</b>	Harmful in contact with skin.
<b>H315</b>	Causes skin irritation.
<b>H319</b>	Causes serious eye irritation.

**Abbreviations and acronyms:**

<b>ADR:</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>IATA:</b>	International Air Transport Association
<b>GHS07:</b>	Globally Harmonised System of Classification and Labelling of Chemicals – Exclamation mark
<b>ICAO:</b>	International Civil Aviation Organisation
<b>RID:</b>	Regulations concerning the International carriage of Dangerous goods by rail.
<b>WGK:</b>	Wassergefährdungsklasse (Water Hazard Class)
<b>PBT:</b>	Persistent, bioaccumulable and toxic.
<b>vPvB:</b>	Very persistent, very bioaccumulable.
<b>SVHC</b>	Substances of very high concern