NC 214

Boiler Condensate Treatment

Corrosion inhibitor for treatment of steam lines



NC 214 is a corrosion inhibitor for treatment of steam lines. It helps control corrosion in steam condensate return systems and supports the protection of condensate piping.

It is part of the Novachem NC 200 Series of boiler water treatment chemicals, designed to help control corrosion, minimise scale formation, manage water chemistry, and support efficient steam boiler operation in high, medium and low pressure boilers.

Product	Document	Use	Manufactured in
NC 214	**Technical Data Sheet**	**Corrosion inhibitor for treatment of steam lines**	**Umm Al Quwain, UAE**

1 Applications

- Condensate corrosion control.
- pH stabilisation.
- Return line protection.

2 Typical properties

Property	Typical value
Appearance	Clear liquid
Colour	Colourless to yellow
Odour	Ammoniacal
Specific gravity	0.996 ± 0.05
pH	12.5 ± 0.5
Solubility in water	Complete
Freezing / melting point	-16 °C
Boiling point	100 °C
Flash point	51 °C (PMCC)

Typical values from the NC 214 Safety Data Sheet. Not to be taken as product specifications.

3 Composition

Aqueous solution containing: cyclohexylamine (10 – 25 %); morpholine (10 – 25 %). The exact chemical identity is withheld as a trade secret.

4 Dosage

The dose depends on the boiler system and its operating conditions.

Contact Novachem for a dosing recommendation for your system.

5 Packaging

25 L jerrycan as standard.

Other pack sizes are available on customer request.

6 Storage and handling

Handling	In use, may form flammable/explosive vapour-air mixture above 43 °C. Use only in well-ventilated areas. Keep at temperature not exceeding 35 °C.
Storage	Keep container tightly closed and in a well-ventilated place. Keep away from heat. Keep away from acids or/and strong oxidising materials. Handle and open container with care.
Skin	Wear suitable gloves. **Preferred material:** rubber, polyvinyl alcohol.
Eyes	Wear eye/face protection. **Preferred type:** close-fitting safety goggles. If splashing is likely to occur wear a full face-shield.

7 Safety

CORROSIVE (C). Flammable. Causes burns. Harmful by inhalation, in contact with skin and if swallowed.

Refer to the NC 214 Safety Data Sheet for full hazard, first-aid, spill, transport and disposal information before handling the product.

8 Contact

Company	Novachem Chemical Industries L.L.C.
Address	P.O. Box 27304, Umm Al Quwain, United Arab Emirates
Telephone	+971 6 5399379
Mobile / WhatsApp	+971 50 2601608
Email	info@novachemuae.com
Website	www.novachemuae.com

All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which the seller assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible uses of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.