



NUMBER 4880-1 (Supersedes 4880)

Nuosept™ 91 preservative

Preservative for Aqueous Products

EPA Registration No. 1529-31

EINECS No. 2519740

AICS Listed

Description

Nuosept 91 preservative is a water-soluble, liquid organic biocide recommended for use as an industrial preservative for the protection of water-based systems.

Key Attributes

- Designed to offer protection to susceptible raw material, as well as finished product during its service life
- Completely soluble in water
- Does not present any difficulty in distributing itself throughout an aqueous composition
- Good distribution and provides biocidal activity to the formulation when added at an early stage.

Applications and Usage Notes

When added at the levels listed herein, Nuosept 91 preservative should preserve the indicated substrates against bacterial deterioration in the unopened can or package and during use for a reasonable length of time after opening the container.

To protect the following systems, use the listed concentrations (based on total weight of systems) as a guide:

| End Use | Recommended Use Level of Nuosept 91 preservative |
|---|--|
| Adhesives (non-food use) | 0.05 - 0.2 |
| Caulks | 0.05 - 0.3 |
| Sealants | 0.05 - 0.3 |
| Grouts | 0.05 - 0.3 |
| Spackling | 0.05 - 0.3 |
| Ready-mixed wallboard compounds | 0.05 - 0.3 |
| Resin emulsions | 0.05 - 0.2 |
| Dispersed colors and pigments | 0.05 - 0.2 |
| Ready-mixed cements | 0.05 - 0.2 |
| Inks (non-food use) | 0.05-0.2 |
| Drilling muds, workover and completion fluids | 0.05-0.1 |
| Aqueous metalworking fluids | 0.04 - 0.15 |
| Metalworking, cutting, cooling and lubricating fluids | 0.05-0.12 |
| Wood fillers | 0.05 – 0.15 |
| Glazing compounds | 0.05 – 0.15 |
| Floor preparation plaster/cement compounds | 0.05 – 0.15 |
| Fuel systems | 0.05 – 0.15 |
| Scavenge hydrogen sulfide (H ₂ S) from air streams | 6.44 lb of this product / lb of H ₂ S |
| Oilfield water systems | 0.005-0.015 |
| Emulsifiable asphalt | 0.05 - 0.2 |

** The exact concentration of Nuosept 91 preservative required will vary with the composition to be protected and manufacturing environment.



Typical Product Properties

| | |
|---|---|
| Active Ingredient: Hexahydro-1,3,5-tris(hydroxyethyl)triazine | 78% |
| Physical Form | Clear, colorless to light yellow liquid |
| Specific Gravity (80°F) | 1.135-1.165 |
| Pounds/Gallon (80°F) | 9.4-9.7 |
| pH | 11.0 ± 0.5 |
| pH of 10% Aqueous Solution | 9.5-11.5 |
| Solubility | Completely soluble in water |

Packaging Information

| Product | Physical Form | Pkg Type | Net Wgt (lbs) | Net Wgt (kgs) |
|-------------|---------------|------------|---------------|---------------|
| Nuosept™ 91 | Liquid | Steel Pail | 50 lbs | 22.7 kg |
| Nuosept 91 | Liquid | Steel Drum | 500 lbs | 226.8 kg |
| Nuosept 91 | Liquid | HDPE IBC | 2000 lbs | 907.2 kg |
| Nuosept 91 | Liquid | HDPE IBC | 3100 lbs | 1,406.1 kg |

Product Safety Information

For health and safety data and handling, storage and disposal procedures, please refer to the Safety Data Sheet (SDS) and product label.

Regulatory requirements governing the use, registration, and approval of industrial biocides around the world are continually changing and evolving.

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ashland Inc. and its subsidiaries or affiliates assume legal responsibility. It is the customer's responsibility to ensure that its use of industrial biocidal products is in accordance with all applicable laws and regulations. In addition, customers are strongly advised to confirm that the industrial biocide they are purchasing has all necessary regulatory approvals for the intended use and the country where the product is going to be used.

To learn more, visit ashland.com

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