

# XDP Biocide Maintenance

## Technical Data Sheet

Reviewed: 10/15

### Description

XDP Biocide Maintenance is a biocide specifically developed for the wet state protection of aqueous metalworking fluids and other alkaline products from microbial attack.

### Addition / Compatibility

For metalworking fluids XDP Biocide Maintenance can be incorporated at the formulation stage or added to the product after dilution at the workplace. Care should be taken to ensure that temperature and pH at the point of addition are suitable for stability of the product.

Prior to use XDP Biocide Maintenance should not be diluted or mixed with any other raw material to avoid negative influences to the active ingredients.

XDP Biocide Maintenance is not compatible with formaldehyde sensitive materials. However, it may be used in most other formulations in which its application is recommended. Users are advised to carry out their own tests or seek further advice from Excision prior to initial application.

### Physical Characteristics

Appearance	Colourless to pale yellow clear liquid
Odour	Characteristic
Density at 20°C	1.140 - 1.170 g/ml
pH Value	9.0 - 11.-0
Monoethanolamine	65.0 - 68.0%
Hexahydrotriazine	74.0 - 82.0%
HCHO Total	30.0 - 33.0%
Solubility	Fully soluble in water, most lower alcohols and glycols
Stability in Application	Stable over the pH range 7 - 12 and up to 80°C

### Application

XDP Biocide Maintenance is suitable for the wet state primary and secondary protection of aqueous metalworking fluids, cooling and lubricating emulsions, grinding fluids and similar products. It may also be used as a sterilising wash during the cleandown of storage and holding tanks, mixing vessels and other plant.



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Normal use concentrations are in the range 0.05 - 0.30%, depending on the product to be protected and the environmental conditions to which it will be exposed. For sterilising solutions a concentration of 3.0 to 5.0% is recommended. If added to concentrated products, subsequently diluted before use, addition rates must be adjusted accordingly. The precise level required by a specific formulation can be determined by Excision

### Test Organisms

Bacteria	Moulds	Yeasts
Corynebacterium sp.	Aspergillus niger	Saccharomyces cerevisiae 1300
Escherichia coli	Penicillium funiculosum	
Klebsiella sp.		
Proteus sp.		
Pseudomonas aeruginosa		

### Storage

Shelf Life: 12 months from production date when stored at approximately 20°C

Storage: Store in original containers. Do not store together with acids. Keep containers tightly sealed.

Maximum storage temperature 40C, minimum storage temperature -5C. Store in a cool place.

Regulatory Approvals: Detailed information available in the regulatory status document

### Safety

For detailed information on the toxicology and handling of XDP Biocide Maintenance and advice on the labelling of products in which it may be used, please refer to the separate Safety Data Sheet or seek specific advice from Excision.

