

#### DESCRIPTION

Tribac is a QAC free disinfectant. The components meet the requirements of current European Legislation and the biocidal element of the formulation is supported in the Biocidal Products Regulation (EU 528/2102).

When used as directed, Tribac is suitable for use as a disinfectant in Breweries, Dairies, Food Processing and Beverage Production plants. The broad spectrum of biocidal activity also makes Tribac suitable for use in other high risk industries where good antimicrobial control is required (high care production plants and institutional areas such as schools and nursing homes), particularly in applications where QAC disinfectants are undesirable.

Tribac has been independently tested by:-

**Lab-Test Laboratorium SC** and passes:-

EN1276 @ 1% for Bacteria in suspension.

EN13697 @1% for surface Bacterial activity.

EN1650 @ 1% for yeasts.

**Campden BRI (CCFRA)** and passes:

Triangle Contact Taint Test @ 2% (based on BS ISO 4120:2007).

#### USE INSTRUCTIONS

Use Tribac at concentrations between 1% and 3% v/v depending on application.

Tribac is suitable for disinfecting food contact surfaces; it is not suitable for disinfection of food stuffs.

The following are typical example applications, users should refer to Cleaning Instruction Cards for specific guidance. Other applications should be discussed with your Holchem Consultant.

Note: For use under recommended conditions, or variations thereof, users should validate cleaning and disinfection by an appropriate post disinfection swabbing regime.

**Surface Disinfection.** Tribac can be used as a surface disinfectant (1% v/v is recommended) following thorough cleaning. It can be applied as a spray through a trigger, pump-up, backpack, pressurised canister sprayer or a venturi applicator. Tribac should be allowed a contact time of at least 15 minutes.

**Soak Application.** Tribac can be used for dip or soak disinfection of equipment parts, utensils and tools. For maximum efficacy, items must be soaked for at least 15 minutes at a recommended concentration of 1% v/v. If on removing items from the soak bath there is potential for hold-up or pooling of liquid, it is advisable to rinse items in potable water before re-use. Tribac can also be used for dip or spray disinfection of sealed packaged foodstuffs being transferred from a low risk to a high care environment.

**Fogging.** Tribac can be fogged, at up to 3% v/v, into airspaces to control airborne micro-organisms. Fogging, where required, should be used as part of a total cleaning and disinfection regime. During fogging all personnel must be evacuated from the area and fogged areas must not be re-entered until all the fog has settled (typically 1 hour). After fogging it is advisable to rinse surfaces with potable quality water. Advice on fogging is available from Holchem.

#### BENEFITS

- Versatile and wide spectrum disinfectant.
- Independent assessment of efficacy.
- Quat (BAC and DDAC) free.




## EFFICACY

Tribac has demonstrated antimicrobial efficacy against bacteria, yeast and fungi when tested in accordance with the following methods. Full details of test results are available on request.

Organism	EN1276	EN13697	EN1650
Staphylococcus aureus	✓	✓	-
Enterococcus hirae	✓	✓	-
Escherichia coli	✓	✓	-
Listeria monocytogenes	✓	✓	-
Pseudomonas aeruginosa	✓	✓	-
Salmonella enterica sb. enterica	✓	✓	-
Saccharomyces cerevisiae	-	-	✓
Candida albicans	-	-	✓

## TECHNICAL DATA

Appearance	Clear blue liquid
Odour	Detergent
Foam	Low foam
Specific Gravity at 20°C	1.11
pH (Neat)	>13
pH (1% solution at 20°C )	11 – 11.5
Chemical Oxygen Demand (COD)	362 g/L (As supplied)
Storage Temperature Range	-5°C to + 35°C
Shelf Life	Minimum of 2 years under normal conditions
Holchem Classification	

## PRODUCT COMPATIBILITY

Tribac is safe for use on all common materials of construction at 1% v/v, however prolonged contact with Aluminium, Copper, Nickel, Chrome and their alloys should be avoided. Surfaces containing these metals should not be left soaking in the solution for more than 30 minutes. Stress cracking may occur if used on Polycarbonate materials.

## BIODEGRADABILITY

The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004.



### TEST METHODS

#### DROPPER TEST (EDTA TEST KIT)

Reagent	Ref.	Equipment	Ref.
0.01M Copper Sulphate Solution	SKS00805-01	5 ml Syringe	SKS00820
5M Acetic Acid	SKS00805-02	Polycarbonate Test Jar	SKS00823
PAN Indicator	SKS00805-03		

Step	Method
------	--------

- |   |  |
|---|--|
| 1 | Using the syringe, transfer 2 ml of the test solution into the polycarbonate test jar.   |
| 2 | Add 10 drops of PAN indicator followed by 10 drops of 5M Acetic acid. The solution will turn yellow.   |
| 3 | Add 0.01M Copper Sulphate drop wise until the solution changes to a permanent purple/violet colour.  |
| 4 | <b>% v/v product = ( No. of drops of Copper Sulphate solution ) x 0.05</b><br>When adding reagents hold the dropper bottle exactly vertically upside down and allow the drops to form slowly and drop off under their own weight. DO NOT SHAKE DROPS OFF.<br>Apply gentle pressure to the bottle walls if necessary to encourage drop formation. |

### SAFE HANDLING & STORAGE

Keep containers tightly closed.

COSHH places a duty on employers to assess and control the risks of using hazardous substances. The Safety Data Sheet provides the relevant information about the product to assist with this assessment.

### PACKS

Tribac is available in the following pack sizes:

4 x 5 Kg  
25 Kg  
200 Kg  
1000 Kg

### GENERAL

For accident, emergency and health & safety information refer to the Safety Data Sheet for this product. This product is registered in the UK with the National Poisons Information Service.

### EMERGENCY TELEPHONE NUMBERS

Outside Office Hours: - For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice call: - +44(0) 7050 265597.

Note: This number will not accept order queries or calls dealing with equipment breakdowns.

Environment Agency (24 hr Advisory Service) 0800 807060

Irish Environment Protection Agency 1890 335599

Whilst every effort is made to ensure that the information given in this product information sheet is accurate it is given without guarantee, since the conditions of use are beyond our control.

