



Mix one bucket with 5 liters of water

Use gloves and safety goggles. Add water. Blend. Dose the prepared liquid into washing water.

**5 L**

water added

7-10 min

blend time

50-55°C

bucket heat

8 L

ready TCS

01 PPE first

Wear gloves and safety goggles before opening the bucket.

02 Add powder

Open the bucket. Cut the powder bag. Pour the powder onto the solid soap.

03 Add water & blend

Add 5 litres of water. Blend with hand drill and blender wing for 7-10 minutes.

04 Ready for use

The bucket now contains 8 litres of ready TCS. Use directly or keep ready.

Practical note

The blended TCS is stable and does not separate again. Blending can therefore be done before the cleaning operation.

Important

Always dose the prepared 8-litre TCS blend into the washing water. Do not dose the dry contents directly.



Dosage guide

Recommended ready-TCS dosage in washing water.

REFERENCE
4% before = 0.30% TCS

Traditional cleaner	Ready TCS	One 8 L bucket makes	Practical guidance
2% before	0.150%	5,333 L	Light cleaning / low residue
3% before	0.225%	3,556 L	Normal cleaning strength
4% before	0.300%	2,667 L	Stronger baseline / difficult cargo
5% before	0.375%	2,133 L	Difficult residues
6% before	0.450%	1,778 L	Heavy soil / first trial
8% before	0.600%	1,333 L	Maximum strong application



Calculation basis

Each bucket contains 8 litres of ready TCS after blending.
Example: 0.300% TCS makes approx. 2,667 L washing water.

Dosing rule

Dose the prepared ready-TCS blend into washing water. Do not count dry bucket content as washing-water concentration.

Quick reference

Use the table as starting guidance. For difficult residues, begin stronger and reduce only when cleaning results prove it is possible.



Usage methods and best practices

For direct cleaning, circulation and Butterworth tank cleaning.



Application

TCS works in ambient or heated washing water and can be used for direct cleaning or circulation.

Water type

Use fresh water or seawater according to vessel practice, cargo requirements and the cleaning plan.

Butterworthing

Use washing water between 65°C and 75°C when Butterworthing, unless a specific cargo or coating instruction requires otherwise.

Difficult cargoes

Start with a stronger solution for difficult cargoes. Reduce the concentration only when results prove it is possible.

Rinse and final finish

Alkali cleaning may leave white hydroxide stains. After FAME, white hydrocarbon traces may also appear. Flush remaining white traces during the following hot sea- or freshwater wash with RSR acid added to the washing water.

Operational control

Always follow SDS, vessel procedures, coating requirements, cargo-owner instructions, terminal rules and discharge restrictions.



Record after each use

A short record supports replenishment, technical follow-up and case documentation.



- ✓ Cargo and previous residue
- ✓ Water type and temperature
- ✓ TCS concentration
- ✓ Cleaning method and cycle time
- ✓ Rinse result and remaining stains
- ✓ Buckets used and replenishment need

Before closing the job

Confirm dosage, cleaning result and whether the Emergency Kit must be replenished before the next exposed cargo program.

Safety reminder

Keep safety goggles and gloves with the kit. Replace any used or damaged PPE together with the replenishment order.