

1. GENERAL FACTS

Synthetic water-based cooling lubricants are increasingly displacing traditional cooling lubricants based on mineral oil in glass and metal processing. Synthetic coolants are oil-free and has a particularly good resistance to bacteria, which means that the post-additive with biocides is significantly minimized. The significantly improved service life of these coolants reduces the volume of waste and thus the disposal costs considerably.

The TC-950 is a synthetic coolant concentrate developed for general grinding, high speed grinding, CNC machining as well as drilling and sawing of technical glass and metals. It is suitable for use in individual machines as well as in central systems. The excellent wetting properties and the exceptional good flow behavior of the removed material lead to a lower carry-out of the cooling lubricant, which significantly extends the service life.

TC-950 is water soluble, diethanolamine, phenol and nitrite free. It contains no mineral oil. According to the present Wastewater Technical Report, TC-950 may, with the approval of the drained into the sewer system by the local water authority.

2. BENIFITS OF USING TC-950

- long life time
- better drainage behavior of the removed material
- better material removal rate
- increased feed
- ideal protection against microbial growth
- low-foaming work
- reliable corrosion protection

3. RECOMMENDED CONCENTRATION

- | | |
|--------------------------------|------|
| • edge processing: | 2% |
| • sawing, drilling, bevelling: | 2-3% |
| • high-speed grinding: | 3% |
| • CNC machining: | 3% |

4. **TECHNICAL DATA**

density at 20 ° C according to DIN 51757:	1.163 - 1.166 g / ml
refractive index at 20 ° C according to DIN 51433:	1.370 - 1.380
pH (3%) according to DIN 51369:	8.8 - 9.0
Odor:	neutral
Color:	slightly reddish

5. **PACKAGING**

5 kg plastic can
25 kg plastic can
120 kg plastic drum

6. **STORAGE**

When stored in well-sealed packing drums and at temperatures of 5 – 40 °C,
TC - 950 can be kept for a minimum period of 2 years.