



Metall-Chemie GmbH & Co. KG – Postfach 10 44 03 – D-20030 Hamburg

Responsible Care
Verantwortliches Handeln

A company with Quality Management System

TC® 50

- Product description:** TC® 50 is an organic polycarboxylic acid in form of a white powder (50% active ingredient / 50% water)
- CAS-No.:** 80584-91-4
- EINECS:** 279-505-5
- Packaging:** 25 kg net bags on pallets at 875 kg
- Performance:** Grade 0 (DIN 51360/2)
Stock solution, 2% in water (50 parts of TC50 and 50 parts of Triethanolamine)
- Shelf life (under dry and cool conditions):** 1 year
- Use and Application:**
- Corrosion Inhibitor for water based lubricants and functional fluids. Typical dosage: 0.25 - 1.1%
 - Metal working fluids (semi-synthetic and synthetic)
 - Cutting and grinding fluids
 - Biodegradable water based hydraulic fluids (HFS)
 - To be formulated with KOH and Alkanolamines
- Typical treat level:** 0.25 - 1.1%
- Benefits:**
- Ashfree corrosion inhibitor for multimetal systems
 - Extremely low foaming tendency and excellent air release
 - Very good compatibility with other corrosion inhibitors
 - Aquatic Toxicity Chronic 4 (equals former Water Hazard Class 1 in Germany)
 - low water hazard
- REACH status:** Registration number: 01-2119972341-XX-XXXX
Registered by Metall Chemie by 31.05.2013
The full registration number can be provided upon request

METALL-CHEMIE GMBH & Co. KG

The material safety data sheet contains the complete information about the characteristics, application, storing, first-aid-measurement, transport and proper disposal. For receiving the MSDS please contact Mrs. Schöttler (schoettler@metall-chemie.com).



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Country registers for TC® 50:

Country	Register	Listed	Registration-No.
Australia	AICS	Yes	-
Canada	DSL/NDSL	Yes	-
China	IECSC	Yes	-
Europe	EINECS	Yes	279-505-5
Korea	KECI	Yes	KE-34005
Japan	ENCS	-	-
New Zealand	NZIoC	Yes	-
Philippines	PICCS	Yes	-
Taiwan	NECI	Yes	-
USA	TSCA	Yes	592535

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