



TECHNICAL DATA SHEET

TRICHLORO ACETIC ACID AR

TCA

Article No.	120010500	Molecular Formula	CCl ₃ .COOH
H.S. Code	2915.4000	Molecular Weight	163.39
CAS No.	76-03-9		

Physical Properties

Physical state at 20 °C	Solid
Colour	Colorless crystals
pH value	1
Melting point [°C]	54 - 58 °C
Flash point [°C]	110 °C
Boiling point [°C]	40°C
Vapour density	5.64
Density [g/cm ³]	1.6
Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.645

Specifications

Assay Min 99%
Clarity of solution Passes test
Melting point Min 56°C
Insoluble matter Max 0.005%
Heavy metal (as Pb) Max 0.002%
Chloride (Cl) Max 0.002%
Nitrate (NO₃) Max 0.002%
Phosphate (PO₄) Max 0.0005%
Sulfate (SO₄) Max 0.02%
Residue on ignition Max 0.02%
Iron (Fe) Max 0.001%
Substance darkened by H₂SO₄ Passes test

Safety Information and Hazard Symbols



Symbol	GHS05, GHS09
Signal Word	Danger
UN No	1839
IMCO Class No.	8
Hazardous Statement	H314-H400-H410
Precaution Statement	P260-P273-P280-P303- P361-P353-P305-P351 - P338-P301 - P330-P331- P304-P340-P310-P405 -P501a
Packing Group	II