

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : AC RESISTAIN TC
COMPANY : AACHENER CHEMISCHE WERKE GmbH
DATE : 27.11.2002
ID-NO :

PAGE-NR. : 1/4

1.) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 PRODUCT NAME : AC RESISTAIN TC
1.1.1 Chemical name : N/A Mixture
1.1.2 Chemical family : Organic acids
1.1.3 Formula : Mixture
- 1.2 COMPANY IDENTIFICATION :
1.2.1 Company : AACHENER CHEMISCHE WERKE GmbH
Adress : Germany ; Adenauerstrasse 20 , Europark C3 ; D-52146 Würselen
Telephone : 0049/2405/4497-0 Telefax : 0049/2405/4497-30
- 1.2.2 INFORMATIONS : Dr. Esser ; Dr. Emonds ; Tel. : 0049/2405/4497-0

2.) COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No.	Chemical name	Hazard identification	%
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3.) HAZARDS IDENTIFICATION

Effects of overexposure :

Eye and skin contact may cause irritation. Ingestion may cause gastrointestinal disturbance.
Severe exposure to mist may cause nasal irritation.

4.) FIRST AID MEASURES

- 4.1 ADDITIONAL ADVICE : Never give fluids or induce vomiting if patient is unconscious.
Take off immediately all contaminated clothing.
- 4.2 INHALATION :
If overcome, remove from exposure, give respiration and/or oxygen. See physician.
- 4.3 EYE CONTACT :
Rinse immediately with plenty of water for at least 15 minutes - keep eye wide open while rinsing.
See physician
- 4.4 SKIN CONTACT :
Rinse with soap and plenty of water. If skin irritation persists – call physician
- 4.5 INGESTION :
Rinse mouth and drink plenty of water. Induce vomiting, if patient is conscious - call physician.
- 4.7 NOTE TO PHYSICIANS :

5.) FIRE FIGHTING MEASURES

- 5.1 FLAMMABLE PROPERTIES :
Flashpoint (Method used) : none
Flammable limits (%) : Lower : N/A
Upper : N/A
- 5.2 EXTINGUISHING MEDIA :
Foam, carbon dioxide, dry chemicals, water-spray-jet

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- 5.3. FIRE FIGHTING INSTRUCTIONS :
Avoid breathing fumes. Use water to cool fire exposed containers, structures and personnel – also to flush spills.

6.) ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :

Use personal protective equipment. Soak up with inert absorbent material – deposit in plant pollution control system.
Do not flush into surface water or sewer system – avoid subsoil penetration.
Flush away traces with water.

7.) HANDLING AND STORAGE

- 7.1 HANDLING
Do not breathe dust or spray.
- 7.2 STORAGE
Keep container tightly closed.
Store in the original container.
Do not store with bases.
Do not store with oxidizing agents.

8.) EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 COMPONENTS WITH EXPOSURE LIMITS :

CAS-NR.	CHEMICAL NAME	TYPE	VALUE	UNITY
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- 8.2 PERSONAL PROTECTICE EQUIPMENT :

RESPIRATORY PROTECTION : dust mask
VENTILATION : *Local exhaust* :
Mechanical (General) :
Special :

SKIN PROTECTION : gloves
EYE PROTECTION : safety glasses
INDUSTRIAL HYGIENE ADVICE :

Do not breathe spray. Avoid prolonged and intensive contact with skin. Avoid contact with eyes. When using do not eat or drink or smoke.
Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday.

9.) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : liquid
COLOUR : colorless
ODOUR : odorless

PARAMETER	VALUE	METHOD
<i>pH</i> for the concentrated product : at 10 g/l Water :	ca 3	DGF-H-III-1
<i>Boiling point/Boiling range</i> :	> 212 °F	

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Ignition temperature :	n.a.	°F	
Vapour pressure :	n.a.	mm Hg	
Specific gravity (H ₂ O = 1) :	ca 1.1		DIN 51757
Solubility in water :	soluble		
Percent volatile by volume :	n.a.	%	
Viscosity at 68 °F :	n.a.	mPas	
Evaporation rate :	n.a.		

10.) STABILITY AND REACTIVITY

- 10.1 STABILITY :
Stable
- 10.2 CONDITIONS TO AVOID :
Contact with strong bases.
- 10.3 IMCOMPATIBLE MATERIALS :
Strong oxydants, strong bases.
- 10.4 HAZARDOUS DECOMPOSITION PRODUCTS :
Carbon dioxyde , carbon monoxyde
- 10.5 HAZARDOUS POLYMERIZATION :
Will not occur

11.) TOXICOLOGICAL INFORMATION

LD 50 (oral ; rats) : > 2000 mg/kg

Rabbit, Eye Irritation : nonirritating
Rabbit, skin Irritation (OECD 404) : nonirritating

12.) ECOLOGICAL INFORMATION

Before discarding into sewer system treat used solutions according to local and federal regulations.
The product is biodegradable.

13.) DISPOSAL CONSIDERATIONS

Do not dump into any sewers, on the ground, or into any body of water. All disposal methode must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.

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14.) TRANSPORTATION INFORMATION

14.1 D.O.T. SHIPPING INFORMATION : Not classified as a hazardous material for the transport.

Shipping name :
Hazard class :
Packaging group :
UN Number :

IMDG Page :
EmS-No :
MFAG-Table :
Marine pollutant :

14.2 IATA/ICAO : Not classified as a hazardous material for the transport.

ICAO/IATA - class :
UN-No :
Packaging group :
Shipping name :

15.) REGULATORY INFORMATION

The product is classified and labelled in accordance with OSHA Standard 1910.1200
Hazard classification : none

Avoid contact with eyes
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Do not breathe dust or spray.
Keep container tightly closed.

All ingredients are listed on TSCA list, Canada DSL list and on the EINECS inventory

European Labeling in Accordance with EC Directives :

The product does not need to be labelled in accordance with EC directives.

NFPA – Rating :

Flammability : 1 , Health hazard : 1 , Reactivity : 0 , Special hazard : -

16.) OTHER INFORMATION

Keep container tightly closed. Do not breathe spray. Avoid prolonged and intensive contact with skin. Wash hands before breaks and at the end of workday. Take off immediately all contaminated clothing.
When using do not eat or drink or smoke.

The information contained herein is believed to be accurate. It is provided for purpose of hazard communication. It is not intended to constitute performance information concerning the product.