

Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Code: CERA FLUIDA OLD
Product name: CERA FLUIDA CLASSIC

1.2 Use of the substance / preparation

1.3 Company identification

Name: Tenax Spa
Full address: via I Maggio 226
District and Country: 37020 Volargne (VR) Italy
Tel.: 045/6860222
Fax: 045/6862456

1.4 Emergency telephone

For urgent inquiries refer to: tenax@tenax.it
<http://www.tenax.it>

2. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
TETRACHLOROETHYLENE	90 <= C < 94	Xn R 40
Cas No 127-18-4		Carc. Cat. 3
CE No 204-825-9		N R 51/53
Index No 602-028-00-4		

The complete text of -R- phrases is specified in section 16.

3. Hazards Identification

3.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xn-N
Phrases R: 36/37/38-40-51/53

3.2 Danger Identification

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
LIMITED EVIDENCE OF A CARCINOGENIC EFFECT.
TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

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4. First aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.

6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

7. Handling and storage

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition.

8. Exposure control / personal protection.

TETRACHLOROETHYLENE

- TLV TWA	170 mg/m ³	ACGIH
- TLV STEL	685 mg/m ³	ACGIH

TLV of solvent mixture: 170 mg/mc

Adopt the closed circuit, if possible. If lacking, in order to avoid exposure and prevent its possible effects, even longterm, it is necessary to use adequate individual protective measures, such as: mask, safety goggles, impermeable gloves and overall, resistant to the product.

Ensure that all the operators follow the recommended precautions. Attach a copy to the containers in which the product may be transferred and do not use the product if the working conditions do not correspond to the recommended precautions; avoid contact with the eyes and skin and prolonged breathing of the vapours; store the container sealed when not being used.

Do not eat, drink or smoke while handling the product. Accurately wash the hands with soap and water before meals and take a shower at the end of the work shift. Working clothes should be washed separately and stored in a separate place.

In order to prevent longterm effects, periodic health controls should be carried out even if not established by the Law, including supplementary examinations which are deemed necessary according to the discretion of the occupational physician.

9. Physical and chemical properties

Colour	WATERLOOK
Odour	TYPICAL
Appearance	LIQUID
Solubility	NOT SOLUBLE IN WATER
	N.A.
Viscosity	5-10 CPS
Vapour density	N.A.

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Evaporation speed	N.A.
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	> 61 °C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,300 Kg/l
Solid content:	9,00 %
VOC:	90,00 % - 1.170,00/litre of preparation
VOC (volatile carbon) :	13,03 % - 169,33 g/litre of preparation

10. Stability and reactivity

The product is stable in normal conditions of use and storage. Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

Tetrachloroethylene is noncombustible, but above 150 °C it decomposes giving toxic vapours of phosgene and corrosive vapours of hydrochloric acid. It decomposes when exposed to UV rays and hence also in strong sunlight. It reacts violently with finely subdivided light metals, such as aluminium and zinc.

11. Toxicological information

Acute effects: stinging eyes. Symptoms may include rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the lower and upper respiratory tract and cause cough and respiratory disorders. At higher concentrations, it may also cause pulmonary edema. Contact with skin may cause irritation, erythema, dryness and chapped skin. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

This product must be handled carefully because of its possible carcinogenic effects. Anyway, currently available data do not allow us to comprehensively assess this product.

Tetrachloroethylene has a toxic effect on the central and peripheral nervous system, liver, kidneys and heart. Mucous membranes and skin are affected by its irritant effect.

12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

Acute and chronic environmental effects: the substance features an average toxicity level for water organisms.

Microtest (EC50 30min)= 117mg/l LC50 48h=18 mg/l (Daphnia Magna) EC50 24h=147 mg/l (Daphnia Magna) NOEC=29 mg/l, 4 days (Cyprinodon variegatus) BCF=3.43 ng/l, 1 to 21 days (Lepomis macrochirus)

13. Disposal consideration

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

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ADR: 6.1 UN: 1897
Packing Group: III
Label: 6.1
Nr. Kemler: 60
Proper Shipping Name: Tetrachloroethylene

Carriage by sea (shipping):

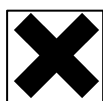
IMO class: 6.1 UN: 1897
Packing Group: III
Label: 6.1
EMS: F-A, S-A
Marine Pollutant
Proper Shipping Name: Tetrachloroethylene

Transport by air:

IATA: 6.1 UN: 1897
Packing Group: III
Label: 6.1
Cargo:
Packaging instructions: 612 Maximum quantity: 220 L
Pass.:
Packaging instructions: 605 Maximum quantity: 60 L

15. Regulatory information

Xn



HARMFUL

N



DANGEROUS FOR THE ENVIRONMENT

- R36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
- R40 LIMITED EVIDENCE OF A CARCINOGENIC EFFECT.
- R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
- S2 KEEP OUT OF THE REACH OF CHILDREN.
- S13 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- S20/21 WHEN USING DO NOT EAT, DRINK OR SMOKE.
- S29 DO NOT EMPTY INTO DRAINS.
- S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

Contains:
TETRACHLOROETHYLENE

Danger labelling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/EC.

16. Other information

Text of -R- phrases quoted in section 2 of the sheet.

R 40 LIMITED EVIDENCE OF A CARCINOGENIC EFFECT.
R 51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

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GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXIX);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review

The following sections were modified:

02 / 03 / 08 / 09 / 10 / 11 / 12 / 14 / 15