



**C.T.S. S.R.L.**  
Via Piave, 20/22 - 36077 **Altavilla Vicentina (VI) - Italy**  
Tel. +39 0444 349088 - Fax +39 0444 349039  
www.ctseurope.com - cts.italia@ctseurope.com



<b>Milano</b> Via A.F. Stella, 5 - 20125 Tel. +39 02 67493225 Fax +39 02 67493233 cts.milano@ctseurope.com	<b>Firenze</b> Via L. Gordiniani, 54 - 50127 Tel. +39 055 3245014 Fax +39 055 3245078 cts.firenze@ctseurope.com	<b>Roma</b> Via G.Fantoli, 26 - 00149 Tel. +39 06 55301779 Fax +39 06 5592891 cts.roma@ctseurope.com	<b>Trevi (PG)</b> Via Popoli, 15 - 06039 Tel. +39 0742 381027 Fax +39 0742 386413 cts.trevi@ctseurope.com	<b>Napoli</b> Via delle Puglie, 228 int.4 - 80143 Tel. +39 081 7592971 Fax +39 081 7593118 napoli@ctseurope.com	<b>Gravina di Catania (CT)</b> Via A.Gramsci, 3/A - 95030 Tel. +39 095 7441565 Fax +39 095 7442954 cts.catania@ctseurope.com
------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **BEVA O.F. D-8-S**

Product code: 011069 -01-05

Use: **Adhesive used for the seizing of lining supports**

Distributor: **C.T.S. S.r.l. – Via Piave N. 20/22 - 36077 ALTAVILLA VICENTINA (VI) - ITALY**  
**TEL +39 0444 349088 FAX +39 0444 349039 E-mail: cts.italia@ctseurope.com**

Emergency telephone number: **+39 0444 349088**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

The preparation is an aqueous dispersion (with small percentage of organic solvents) of acryl and vinyl-acetic resins.

**Hazardous components** (directive 67/548/EEC and following modifications and amendments)

**Toluene** CAS 108-88-3 EC 203-625-9 INDEX 601-021-00-3

Hazardous symbols: **XI – F** Harmful – Flammable

Risks phrases: **R 20** Harmful by inhalation

**R 11** Highly flammable

Concentration: 4/5% p/p

**1,2 dichlorinepropane** CAS 78-87-5 EC 201-152-2 INDEX 602-020-00-0

Hazardous symbols: **Xn – F** Harmful – Flammable

Risks phrases: **R20/22** Harmful by inhalation and if swallowed

**R 11** Highly flammable

Concentration: <0.5% p/p

### 3. HAZARDS IDENTIFICATION

The preparation is classified as non dangerous according to directive 1999/45/EC.

#### Hazards rising from physical-chemical properties

Inside the containers organic vapours can accumulate, that are flammable when exposed to an ignition source. Vapours are heavier than air and can stagnate in closed and low places (wells, basements, etc.)

#### Hazard for human health

Exposition to preparation irritate eyes and the respiratory system.

Prolonged vapours inhalation causes headache, dizziness and can have anaesthetic effects.

#### Environmental hazards

The preparation has a volatile fraction and has a slow biodegradability, so it has negative effects for the soil and for the atmosphere.

The preparation is a water pollutant because lowers the natural pH value and increases considerably the chemical demand of oxygen necessary for purification.

### 4. FIRST AID MEASURES

#### After inhalation

Prolonged vapours inhalation causes headache, nausea, dizziness and can have an anaesthetic effect.



**C.T.S. S.R.L.**  
Via Piave, 20/22 - 36077 **Altavilla Vicentina (VI) - Italy**  
Tel. +39 0444 349088 - Fax +39 0444 349039  
www.ctseurope.com - cts.italia@ctseurope.com



Milano	Firenze	Roma	Trevi (PG)	Napoli	Gravina di Catania (CT)
Via A.F. Stella, 5 - 20125 Tel. +39 02 67493225 Fax +39 02 67493233 cts.milano@ctseurope.com	Via L. Gordigiani, 54 - 50127 Tel. +39 055 3245014 Fax +39 055 3245078 cts.firenze@ctseurope.com	Via G.Fantoli, 26 - 00149 Tel. +39 06 55301779 Fax +39 06 5592891 cts.roma@ctseurope.com	Via Popoli, 15 - 06039 Tel. +39 0742 381027 Fax +39 0742 386413 cts.trevi@ctseurope.com	Via delle Puglie, 228 int.4 - 80143 Tel. +39 081 7592971 Fax +39 081 7593118 napoli@ctseurope.com	Via A. Gramsci, 3/A - 95030 Tel. +39 095 7441565 Fax +39 095 7442954 cts.catania@ctseurope.com

Move the person away from the place contaminated by vapours and let him rest in a clean and temperate place. In case of breathing difficulty: ASK FOR MEDICAL INTERVENTION.

#### **After skin and eye contact**

In any case of persistent symptoms, ASKS FOR MEDICAL INTERVENTION.

The frequent contact with skin and mucous has degreasing effects and can cause dryness and irritation. In this case:

- Immediately remove contaminated clothing,
- Wash the product away with plenty of water and soap.

Eye contact cause reddening, lacrimation, burning, irritation. In this case:

- Remove eye lens (if used by the injured person)
- Wash the product away, holding eye-lid open, with plenty of water (possibly lukewarm) as fast as possible. Continue washing for at least 15 minutes.

#### **After ingestion**

Ingestion can cause irritation to mouth or to oesophagus, abdominal pain, vomit.

Give one or two glasses of water with an activated carbon suspension.

Induce vomiting only with medical guidance. DO NOT give alcohol or stimulants, without medical advice.

In case of persistent symptoms, ASK FOR MADICAL INTERVENTION.

DO NOT GIVE SOMETHING ORALLY TO AN UNCONSCIOUS PERSON.

---

## **5. FIRE FIGHTING MEASURES**

#### **Suitable extinguishing media**

Water spray, powders, carbon dioxide, foam.

Water-cool containers exposed to fire.

#### **Extinguishing media which must not be used for safety reasons**

Do not use jets of water directly on the preparation.

#### **Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases**

The preparation, while burning, produces combustion hazardous and hot fumes, containing carbon and nitrogen oxides, carbon powder and traces of hydrochloric acid.

#### **Special protective equipment for firefighters:**

Complete protective clothing and, if the case, breathing apparatus.

---

## **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precaution**

Wear suitable clothing in order to avoid contact with the skin and the eyes and the inhalation of the product.

In case send out people not involved in the intervention operations.

#### **Environmental precautions**

Stop the product leakage (if the intervention does not represent a danger for the operators).

Avoid water contamination, containing the leaks with earth or sand.

Collect the leakage with dry mechanical equipment and store in closed containers, suitable for the disposal.

Avoid using equipment that can generate sparks or can be a source of ignition.

#### **Cleaning methods**

Wash with water and cleansing agents the contaminated area (being careful that water does not pollute ground water tables or the soil).



**C.T.S. S.R.L.**  
Via Piave, 20/22 - 36077 Altavilla Vicentina (VI) - Italy  
Tel. +39 0444 349088 - Fax +39 0444 349039  
www.ctseurope.com - cts.italia@ctseurope.com



<b>Milano</b> Via A.F. Stella, 5 - 20125 Tel. +39 02 67493225 Fax +39 02 67493233 cts.milano@ctseurope.com	<b>Firenze</b> Via L. Gordiniani, 54 - 50127 Tel. +39 055 3245014 Fax +39 055 3245078 cts.firenze@ctseurope.com	<b>Roma</b> Via G.Fantoli, 26 - 00149 Tel. +39 06 55301779 Fax +39 06 5592891 cts.roma@ctseurope.com	<b>Trevi (PG)</b> Via Popoli, 15 - 06039 Tel. +39 0742 381027 Fax +39 0742 386413 cts.trevi@ctseurope.com	<b>Napoli</b> Via delle Puglie, 228 int.4 - 80143 Tel. +39 081 7592971 Fax +39 081 7593118 napoli@ctseurope.com	<b>Gravina di Catania (CT)</b> Via A. Gramsci, 3/A - 95030 Tel. +39 095 7441565 Fax +39 095 7442954 cts.catania@ctseurope.com
------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------

## **7. HANDLING AND STORAGE**

### **Handling**

Use only in well ventilated areas or equipped with localized suction systems.  
Follow normal precautions of good working practice.  
Do not eat or smoke while working. Wash the hands carefully after using.

### **Storing**

Store in the original closed containers, in fresh, dry places away from atmospheric agents.  
Store away from strong oxidants and away from heat sources, flames and other sources of ignition.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure limit values**

ACGIH (ed. 2002) suggests for the working places as TLV-TWA the following values:

Toluene	188 mg/m <sup>3</sup>
1,2 dichlorinepropane	347 mg/m <sup>3</sup>

### **Respiratory protection**

The respiratory protection has to be effected with technical measures that can avoid the contact between the operator and the preparation; for example, realising a system (fix or movable) of localized suction that conveys the organic vapours to a suitable filtering or removal system.

In case a personal respiratory protection is necessary, use only personal protective equipment with producer's CE conformity declaration and informative note.

The personal protective equipments for filtering organic vapours can be a mask or a half mask with brown band.

### **Hand protection**

Use protective gloves coated with plastic (nitrile).

### **Eye protection**

Use protective goggles.

### **Skin protection**

Use complete protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	milky white liquid
<b>Odour:</b>	characteristic
<b>pH (water suspension):</b>	approx. 5
<b>Boiling point:</b>	96 °C
<b>Flash point:</b>	>65 °C closed cup
<b>Flammability (solids, gases):</b>	not applicable
<b>Self-ignition:</b>	>200 °C
<b>Explosive properties:</b>	not determined
<b>Combustive properties:</b>	not determined
<b>Vapour pressure:</b>	5 kPa (at 20 °C) approx.
<b>Specific gravity:</b>	1 g/l approx. (at 20 °C)
<b>Solubility in water:</b>	>50%
<b>Solubility in fats:</b>	partially soluble
<b>n-octane/water repartition coefficient:</b>	not determined



**C.T.S. S.R.L.**  
Via Piave, 20/22 - 36077 **Altavilla Vicentina (VI) - Italy**  
Tel. +39 0444 349088 - Fax +39 0444 349039  
www.ctseurope.com - cts.italia@ctseurope.com



<b>Milano</b> Via A.F. Stella, 5 - 20125 Tel. +39 02 67493225 Fax +39 02 67493233 cts.milano@ctseurope.com	<b>Firenze</b> Via L. Gordiniani, 54 - 50127 Tel. +39 055 3245014 Fax +39 055 3245078 cts.firenze@ctseurope.com	<b>Roma</b> Via G.Fantoli, 26 - 00149 Tel. +39 06 55301779 Fax +39 06 5592891 cts.roma@ctseurope.com	<b>Trevi (PG)</b> Via Popoli, 15 - 06039 Tel. +39 0742 381027 Fax +39 0742 386413 cts.trevi@ctseurope.com	<b>Napoli</b> Via delle Puglie, 228 int.4 - 80143 Tel. +39 081 7592971 Fax +39 081 7593118 napoli@ctseurope.com	<b>Gravina di Catania (CT)</b> Via A. Gramsci, 3/A - 95030 Tel. +39 095 7441565 Fax +39 095 7442954 cts.catania@ctseurope.com
------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------

## **10. STABILITY AND REACTIVITY**

### **Conditions to avoid**

At normal conditions the product is stable.  
Avoid high temperature, flames and electrostatic discharge accumulation.  
To a high temperature, explosive mixtures vapour/air can generate.

### **Materials to avoid**

The preparation is incompatible with strong acids and bases and reacts with strong oxidants and may cause fire or explosion hazard.

### **Hazardous decomposition products**

To a high temperature, carbon and nitrogen oxides and also traces of hydrochloric acid liberate.

## **11. TOXICOLOGICAL INFORMATION**

None of the components of the preparation is reported in carcinogenic IARC, OSHA, NTP or other lists.

### **Exposition for inhalation**

Vapours and aerosol inhalation (based on duration and on quantity) can cause cough, irritation to the respiratory system, breathing difficulty, headache, nausea, somnolence, unconsciousness.

### **Exposition for ingestion**

The ingestion of the material can cause irritation to mouth and throat, cough, abdominal pains, vomit.

### **Exposure for skin and eye contact**

The contact of the material with the eyes can cause reddening, burns, ocular irritation, lacrimation.  
Frequent and prolonged contact of the preparation has degreasing effects to the skin and can cause dermal irritation.

## **12. ECOLOGICAL INFORMATION**

The preparation is a water pollutant because reduces the natural pH value and increases considerably the chemical demand of oxygen for chemical depuration.

The product is not considered as biocumulative.

The preparation is partially soluble in water; in any case it moves within the hydro-flow.

The aromatic solvent (toluene) tends to persist over the surface, from where then it evaporates in the atmosphere; while the chlorinated solvent (dichlorinepropane) tends to accumulate on the bottom, where it persists for a long time.

There are no known biodegradability, mobility, and persistency data.

Use according to good working practice, avoiding the dispersion of the product in the environment. Inform local Authorities if the preparation arrives at water flows and/or sewerage system or if it has contaminated the soil.

## **13. DISPOSAL CONSIDERATIONS**

Product residuals are classified as non dangerous.

In case of disposal, operate according to the national and regional legislation in force, sending the residuals in authorized places.

Do not discharge the product, new or used, in sewerage, tunnels or watercourse.

Empty containers not decontaminated have to be considered as special waste.

Containers not contaminated can be recycled.

Do not discharge the containers in the environment.



**C.T.S. S.R.L.**  
Via Piave, 20/22 - 36077 **Altavilla Vicentina (VI) - Italy**  
Tel. +39 0444 349088 - Fax +39 0444 349039  
www.ctseurope.com - cts.italia@ctseurope.com



Milano	Firenze	Roma	Trevi (PG)	Napoli	Gravina di Catania (CT)
Via A.F. Stella, 5 - 20125 Tel. +39 02 67493225 Fax +39 02 67493233 cts.milano@ctseurope.com	Via L. Gordigiani, 54 - 50127 Tel. +39 055 3245014 Fax +39 055 3245078 cts.firenze@ctseurope.com	Via G.Fantoli, 26 - 00149 Tel. +39 06 55301779 Fax +39 06 5592891 cts.roma@ctseurope.com	Via Popoli, 15 - 06039 Tel. +39 0742 381027 Fax +39 0742 386413 cts.trevi@ctseurope.com	Via delle Puglie, 228 int.4 - 80143 Tel. +39 081 7592971 Fax +39 081 7593118 napoli@ctseurope.com	Via A.Gramsci, 3/A - 95030 Tel. +39 095 7441565 Fax +39 095 7442954 cts.catania@ctseurope.com

## **14. TRANSPORT INFORMATION**

The product is not included in the definition of dangerous goods according to technical ARD (road transport) and RID (railway transport) rules; in any case the carriage has to be done in the original closed containers, made of materials that do not react with the content.

Handling operators have to be suitably formed about the risks connected and about the procedure to face emergency situation.

## **15. REGULATORY INFORMATION**

### **Information on the label**

The material is not subject to particular communitarian rules related to human and environmental protection.

The preparation is classified as non dangerous, according to directive 88/379/EEC and Legislative Decree 65/03 and no hazardous label is required.

S Phrases:     S51     Use only in well-ventilated areas  
                  S 16     Keep away from sources of ignition - No smoking

Warning        the preparation can become flammable while using

### **Further national or communitarian provisions regarding the use of the product:**

Where applicable refer to the following rules:

D.P.R. 203/1988 "Attuazione di direttive comunitarie concernenti norme in materia di qualità dell'aria" and similar.

D.Lgs 626/1994 "Attuazione di direttive comunitarie, riguardanti il miglioramento della sicurezza e della salute dei lavoratori sul luogo di lavoro" and similar.

D.Lgs. 22/1997 "Attuazione delle direttive per lo smaltimento dei rifiuti" and similar.

D.Lgs. 152/1999 "Disposizioni sulla tutela delle acque dall'inquinamento" and similar.

D.Lgs. 334/1999 "Rischi di incendi rilevanti"

## **16. OTHER INFORMATION**

The information listed in this Safety Data Sheet was found, mainly, with the consultation of the following sources:

- SINTALEX 7.1 – Environment And Work Association
- I.S.S. – Database of dangerous substances
- ECDIN – Environmental Chemicals Data and Information Network
- Suppliers' data

The information contained in this data sheet is based on our best knowledge.

References to risks connected to the use of the preparation and to its intrinsic characteristics so as legislative rules and bibliographical sources can not be considered as exhaustive.

**Users should always carry out sufficient tests to establish the suitability of any products for their intended applications.**

The company does not assume any responsibility for storing, handling, use or disposal not foreseeable, nor correct, nor proper of the preparation.