# INFOSHEET

CEPRO®
LEADING IN WELDING SAFETY

## CETO 2 WELDING BLANKET

### Description
Ceto 2 is a Glass fabric with silicone rubber coating on both sides.

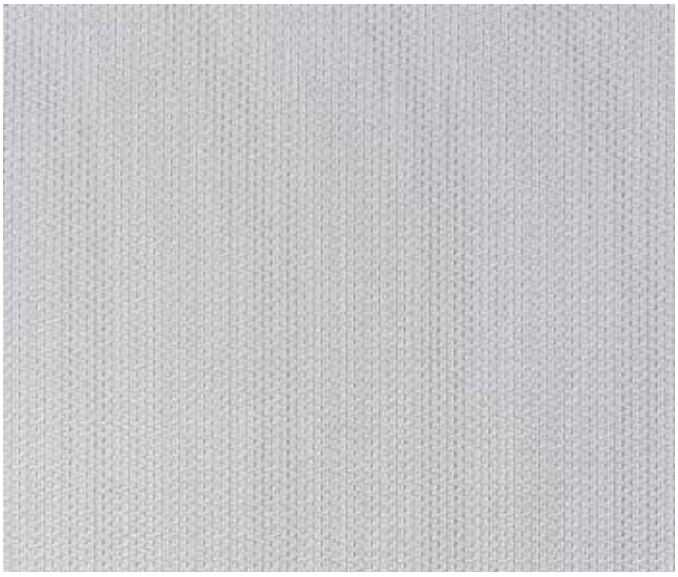
### Application
The maximum application temperature is 550 °C, shortly up to 600°C.

### Conditions for use
- CEPRO recommends the use of multiple layers for maximum protection.
- Always use welding blankets at an angle of at least 15 degrees.
- The temperatures shown are only an indication. The suitability of the selected product should always be tested beforehand.
- Regularly check welding blankets for tears and or other damage. Replace damaged blankets where necessary.
- Welding blankets can be used for many purposes and therefore, no guarantee can be given on their use. The end user is responsible for determining whether the welding blanket is suitable for use in a specific situation and whether it offers sufficient protection during the work to be performed.
- CEPRO welding blankets are sewn on the cut edges with best quality Kevlar thread.

### Characteristics
Ceto 2 has a silicone coating with silicone rubber, high resistance to extreme mechanical, thermal and electric influence.
- good light stability, UV resistance and resistance to oxidation
- mostly resistance to acids and lyes
- weatherproof
- good soil-repellent and oil-repellent properties
- good electrical insulation properties

Ceto 2 is free of asbestos.

### Available dimensions
Full roll 25 m[1], width 100 cm 56.52.06.1025
*Ready made blankets can be made on request.*



# INFOSHEET

CEPRO®
LEADING IN WELDING SAFETY

# CETO 2 WELDING BLANKET

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

**Product description** Glass fibre material

**Manufacturer / Supplier**

**Cepro International BV**
Provinciënbaan 16
NL-5121 DL RIJEN
The Netherlands

Tel. no. for information / emergency +31 (0)161 22 64 72
Fax no. for information / emergency +31 (0)161 22 49 73

**Date of issue** February 2014

## 2. HAZARD INFORMATION

**Classification of the substance or mixture**
**Classification according to Regulation (EC) No 1272/2008 [CLP]**
Not determined
**Classification according to Regulation 67/548/EEC or 1999/45/EC**
No classification
**Label elements** The product does not require a hazard warning label in accordance with EC-directives. This product is an article and therefore it does not require labelling according to EC directives/GefStoffV.
**Other hazards**
**Physico-chemical hazards** no particular hazards known.
**Environmental hazards** no particular hazards known.
**Other hazards** none

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Range [%] | Substance |
|---|---|
| 85-100 | glass<br>CAS:65997-17-3, EINECS/ELINCS: 266-046-0 |

Comment on component parts No dangerous components.
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1 %.

## 4. FIRST AID MEASURES

**Description of first aid measures**
**General information** Change soaked clothing.

**Inhalation** Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

**Skin contact** When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

**Eye contact** In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**Ingestion** Not applicable

**Most important symptoms and effects, both acute and delayed**
No information available

**Indication of any immediate medical attention and special treatment needed**
Treat symptomatically
Forward this sheet to the doctor.

# CETO 2 WELDING BLANKET

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

**Extinguishing media that must not be used**
None.

**Special hazards arising from the substance or mixture**
Unknown risk of formation of toxic pyrolysis products.

**Advice for fire-fighters**
not applicable
Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Avoid dust formation. Use breathing apparatus if exposed to dust.

**Environmental precautions**
Not applicable

**Methods and material for containment cleaning up**
Dispose of absorbed material in accordance with the regulations. Take up mechanically.

**Reference to other sections**
See section 8+13

## 7. HANDLING AND STORAGE

**Precautions for safe handling**
With mechanical processing however fibers can be set free.
Avoid the formation and depositions of dust.
Provide vacuuming if dust raised.
Dust deposits that cannot be avoided must be taken up regularly.

Wash hands before breaks and after work.
Use barrier skin cream
take off contaminated clothing and wash before reuse.

**Conditions for safe storage, including any incompatibilities**
No special measures necessary.

**Specific end use(s)**
See product use. section 12

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Control parameters**

**Ingredients with occupational exposure limits to be monitored (GB)**

| Range [%] | Substance |
|---|---|
| 85-100 | glass<br>CAS: 65997-17-3, EINECS/ELINCS: 266-046-0<br>Long-term exposure: TLV-TWA: 1 f/cc (respirable): 5 mg/m³ (inhalable (ACGHIH |

**Exposure controls**

**Additional advice on system design**
Ensure adequate ventilation on workstation
To pay attention to dust limit value (ACGHI-2011: 10 mg/m³ particle inhalable; 3 mg/m³ particle respirable).

**Eye protection**
Safety glasses

**Hand protection**
The details concerned are recommendations. Please contact the glove supplier for further information.
Leather (EN 388).

**Skin protection**
Long-sleeved work clothes.

# CETO 2 WELDING BLANKET

**Other** Avoid contact with eyes and skin.
Do not inhale dust.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

**Respiratory protection:** Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, filter P2.

**Thermal hazards** No information available

**Delimitation and monitoring of the environmental exposition:**
not determined

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Form** | Solid in different forms. | **Vapour pressure (kPa)** | Not applicable. |
| **Colour** | Various. | **Density (g/m)** | Not determinated. |
| **Odour** | Odourless. | **Bulk density (kg/m³)** | Not applicable. |
| **pH-value** | Not applicable. | **Solubility in water** | Immiscible. |
| **pH-value, 1 %** | Not applicable. | **Partition coefficient: n-octanol / water** | Not applicable. |
| **Boiling point (°C)** | Not applicable. | **Viscosity** | Not applicable. |
| **Flash point (°C)** | Not applicable. | **Relative vapour density determined in air** | Not applicable. |
| **Flammability (°C)** | Not applicable. | **Evaporation speed** | Not applicable. |
| **Lower explosion limit** | Not applicable. | **Melting point (°C)** | Not determinated. |
| **Upper explosion limit** | Not applicable. | **Autoignition temp. (°C)** | Not applicable. |
| **Combustible properties** | No. | **Decomposition temp. (°C)** | Not applicable. |

**Other information** No information available

## 10. STABILITY AND REACTIVITY

**Reactivity** No hazardous reactions known
Chemical stability Stable under normal ambient conditions (ambient temperature)
Possibility of hazardous reactions
No hazardous reactions known
Conditions to avoid No information available
Incompatible materials No information available
Hazardous decompostions products
No hazardous products known

## 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity:** not determined
**Acute dermal toxicity:** not determined
**Acute inhalational toxicity:** not determined
**Irritant effect on eye:** not determined
**Irritant effect on skin:** not determined
**Sensitization:** not determined
**Subacute toxicity:** not determined
**Chronic toxicity:** not determined
**Mutagenicity:** not determined
**Reproduction toxicity:** not determined
**Carcinogenicity:** not determined
**Experiences made in practice:** Contains fibres with diameter > 6 micrometers. The filament is not breathable (WHO).
Fiber abrasion can cause mechanical skin irritation.
**General remarks:** No classification on the basis of the calculation procedure of the preparation directive.

# CETO 2 WELDING BLANKET

## 12. ECOLOGICAL INFORMATION

**Toxicity**

**Persistence and degradability**
**Behaviour in environment compartments**
not applicable
**Behaviour in sewage plant** not applicable
**Biological degradability** not applicable

**Bioaccumulative potential** No information available

**Mobility in soil** No information available

**Results of PBT and vPvB assessment**
No information available

**Otherwise adverse effects** The product is insoluble in water.
Can be separated out mechanically in purifications plants.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**
Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. it is not possible to determine a waste code for this product in accordance with the European Wast Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**
Coordinate disposal with the authorities if necessary.

**Waste no. (recommended)** 101112
101103

**Contaminated packaging**
Uncontaminated packaging may be taken for recycling

**Waste no. (recommended)** 150101
150102

## 14. TRANSPORT INFORMATION

**UN number** see section 14 in accordance with UN shipping name
**UN proper shipping name**
**Transport by land according to ADR/RID** NO DANGEROUS GOODS
**Inland navigation (ADN)** NO DANGEROUS GOODS
**Marine transport in accordance with IMDG** NO DANGEROUS GOODS
**Air transport in accordance with IMDG** NO DANGEROUS GOODS

**Transport hazard class(es)** see section 14 in accordance with UN shipping name
**Packing group** see section 14 in accordance with UN shipping name
**Environmental hazards** see section 14 in accordance with UN shipping name
**Special precautions for user** relevant information under section 6 to 8
**Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**
not applicable

# CETO 2 WELDING BLANKET

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EEC-REGULATIONS:** 1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG

**TRANSPORT-REGULATIONS:** DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).

**NATIONAL REGULATIONS (GB)** EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

**Observe employment restrictions for people**

Not applicable

**OC (1999/13/CE)** Not applicable

**Chemical safety assessment** Chemical safety assessments for substances in this mixture were not carried out

## 15. OTHER INFORMATION

**Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

Customs tariff Not determined

*Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

# INFOSHEET

CEPRO®
LEADING IN WELDING SAFETY

## CETO 2 WELDING BLANKET

### TECHNICAL DATA

| Test | | | Standard |
|---|---|---|---|
| 1. Weave | | cross twill | DIN 61 101 - 1 |
| 2. Width | | 1000 mm | DIN EN 1773 |
| 3. Thickness | | 0,44 mm | DIN EN ISO 2286-3 |
| 4. Weight | | 590 g/m$^2$ | DIN EN ISO 12127 |
| 5. Number of threads | *warp* | 19,0 threads/cm | DIN EN 1049 - 2 |
| | *weft* | 11,0 threads/cm | |
| 6. Yarn count | *warp* | 136 tex | DIN EN ISO 2060 |
| | *weft* | 136 tex | |
| 7. Filament diameter | *warp* | 9 µm | DIN 53 811 |
| | *weft* | 9 µm | |
| 8. Tensile strength | *warp* | > 2900 N/5 cm | ISO 4606 |
| | *weft* | > 1900 N/5 cm | |