

SWARCO VICAS S.R.L. TÂRGOVIȘTE	SDS - SAFETY DATA SHEET	CODE: F.D.S. - T.C. - 401
EUROTAC		
Revizia: 0	Edition: 1	Date: January 2018
Pagina / Număr pagini:1/6		

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, Annex II, change by Regulation (EU) No. 830/2015.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Identification of the product

EUROTAC is a tactile markings for the guidance of visually handicapped pedestrians.

1.2 Relevant identified uses of the substance or mixture and uses advised against

EUROTAC is based on methyl methacrylate resins (MMA). It is suitable for all types of surfaces (concrete or asphalt).

1.3 Details of the supplier of safety data sheet

SWARCO VICAS S.R.L.

8 GAESTI Street, TÂRGOVIȘTE 130087, County Dambovita ROMANIA
Telephone: +40245634532, +40245614345 Fax: +40245213796, +40245614345
e-mail: tehnic.vicas@swarco.com

1.4 Emergency telephone number:

Emergency telephone: 40213183606 INSPB (Monday to Friday 8:00-15:00) (is valid in Romania)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

The product is labelled according to CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Hazard pictograms

Not applicable

Hazard statements

Not applicable

Precautionary statements

Not applicable

Contains:

Not applicable

Supplemental Hazard information (EU)

Not applicable

2.2 Other hazards

Not applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixtures

Product description / chemical characterization

Description cold plastic

Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt %
Not applicable		

Not applicable

Additional information

Full text of classification: see section 16

SECTION 4: FIRST AID MEASURE

4.1 Description of first aid measures

General information

SWARCO VICAS S.R.L. TÂRGOVIȘTE	SDS - SAFETY DATA SHEET	CODE: F.D.S. - T.C. - 401
EUROTAC		
Revizia: 0	Edition: 1	Date: January 2018
		Pagina / Număr pagini: 2/6

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

No special measures are required.

Following skin contact

Affected skin area to be immediately and thoroughly washed with lots of water and soap, or use a suitable cleaning agent. Incineration:-
Call a doctor.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons: strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device.

5.4 Other information

Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: See section 7 and 8

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

6.4 Reference to other sections: See section 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precaution for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Follow the legal protection and safety regulations.

7.2 Conditions for safe storage including any incompatibilities

In well ventilated roofed spaces, only in original sealed packs, protected from heating sources and sun, ensuring temperatures of **+5 ÷ +35°C**.

7.3 Specific end uses: Observe technical data sheet.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values: not applicable.

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Occupational exposure controls

Respiratory protection: avoid breathing dust. Wear respiratory protection.

SWARCO VICAS S.R.L. TÂRGOVIȘTE		SDS - SAFETY DATA SHEET		CODE: F.D.S. - T.C. - 401
EUROTAC				
Revizia: 0	Edition: 1	Date: January 2018	Pagina / Număr pagini: 3/6	

Hand protection: for prolonged or repeated handling the following glove material must be used: heat-resistant. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection: wear closely fitting protective glasses in case of splashes.

Protective clothing: wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures: after contact clean skin thoroughly with water and soap or use appropriate cleanser.

8.2.3 Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

	Physical and chemical properties	UM	Value	Method	Observations
(a)	Appearance:	-	solid	visual	
(b)	Odour	-	characteristic		
(c)	Colors	-	white RAL 9016		
(d)	pH	$-\log_{10}[\text{H}^+]$	Not applicable		
(e)	Melting point	°C	No data available		
(f)	Boiling point	°C	No data available		
(g)	Flash point	°C	No data available		
(h)	Evaporation rate	-	No data available		
(l)	Flammability (solid, gas)	°C	Not applicable		
(j)	Explosion limits				
(j1)	Explosion limits for the mixture		No data available		
(j2)	Explosion limits for mixture components				
(j2.1)	Upper explosion limits	% vol./vol. air			
(j2.2)	Lower explosion limits	% vol./vol. air			
(k)	Vapour pressure				
(k1)	Vapour pressure for the mixture	kPa			
(k2)	Vapour pressure for the mixture components	kPa			
(l)	Relative density of vapours		No data available		
(m)	Relative density	g/cm^3			
(n)	Solubility				
(n1)	Solubility in water				
(n2)	Solubility in fats	-	No data available		
(o)	Partition coefficient n-octanol/water	-	No data available		
(p)	Self-ignition temperature	°C	No data available		
(q)	Decomposition temperature	°C	No data available		
(r)	Viscosity – flowing time	-			
(s)	Explosive properties	-	Not applicable		
(t)	Oxidising properties	-	Not applicable		

9.2 Other information

	Physical and chemical properties	UM	Value	Method	Observations
(a)	Sheets with domes	mm	300x300 (±3)		
(b)	Number of domes	-	41		
(c)	Sheets with raised ribs	mm	300x300 (±3)		
(d)	Number of ribs	-	7		

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

10.6 Hazardous decomposition products

SWARCO VICAS S.R.L. TÂRGOVIȘTE		SDS - SAFETY DATA SHEET	CODE: F.D.S. - T.C. - 401
EUROTAC			
Revizia: 0	Edition: 1	Date: January 2018	Pagina / Număr pagini:4/6

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) Acute toxicity

There are no data available.

(b) Skin corrosion/irritation

There are no data available.

(c) Serious eye damage/eye irritation

There are no data available.

(d) Respiratory or skin sensitisation

There are no data available.

(e) Germ cell mutagenicity

There are no data available.

(f) Carcinogenicity

There are no data available.

(g) Reproductive toxicity

There are no data available.

(h) STOT SE (Specific target organ toxicity) - single exposure

There are no data available.

(i) STOT RE (Specific target organ toxicity) - repeated exposure

There are no data available.

(j) Aspiration hazard

There are no data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

There are no data available.

12.2 Persistence and degradability

There are no data available.

12.3 Bioaccumulative potential

There are no data available.

12.4 Mobility in soil

There are no data available.

12.5 Results of PBT and vPvB assessment

There are no data available.

12.6 Other adverse effects

There are no data available.

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Appropriate disposal/Product Recommendation

Do not allow into drains or water courses. Collect the waste separately.

List of proposed waste codes/waste designations in accordance with EWC

020104 waste plastics (except packaging)

SECTION 14: TRANSPORT INFORMATION

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

TRANSPORT		
14.1	UN-No	Not applicable

SWARCO VICAS S.R.L. TÂRGOVIȘTE		SDS - SAFETY DATA SHEET		CODE: F.D.S. - T.C. - 401	
EUROTAC					
Revizia: 0		Edition: 1		Date: January 2018	
Pagina / Număr pagini: 5/6					

TRANSPORT		
14.2	UN proper shipping name	
14.3	Transport hazard class(es)	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	
14.5.1	Land transport (ADR/RID)	Not applicable
14.5.2	Marine pollutant	Not applicable
14.5	Special precautions for user	Transport always in closed, upright and safe containers. Make sure that the persons transporting the product know what to do in case of accident or leakage.
14.6	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
14.7	Labels	
14.8	Environmental hazards	Not applicable

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

- REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2002/21/EC.
- REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packing of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006.
- REGULATION (EC) No. 790/2009 OF THE EC COMMISSION of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation 1272/2008 of the European Parliament and of the Council on classification, labelling and packing of substances and mixtures.
- REGULATION (EU) No. 286/2011 OF THE EC COMMISSION of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 618/2012 OF THE EC COMMISSION of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation 1272/2008 of the European Parliament and of the Council on classification, labelling and packing of substances and mixtures.
- REGULATION (EU) No. 487/2013 OF THE EC COMMISSION of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 517/2013 OF THE Council of 13 May 2013 adapting certain regulations and decisions in the fields of free movement of goods, freedom of movement for persons, company law, competition policy, agriculture, food safety, veterinary and phytosanitary policy, transport policy, energy, taxation, statistics, trans-European networks, judiciary and fundamental rights, justice, freedom and security, environment, customs union, external relations, foreign, security and defence policy and institutions, by reason of the accession of the Republic of Croatia.
- REGULATION (EU) No. 758/2013 OF THE EC COMMISSION of 7 August 2013 correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 944/2013 OF THE EC COMMISSION of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 605/2014 OF THE EC COMMISSION of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 1297/2014 OF THE EC COMMISSION of December 2014 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 2015/491 OF THE EC COMMISSION of 23 March 2015 amending Regulation (EU) No 605/2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 830/2015 OF THE EC COMMISSION of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

SWARCO VICAS S.R.L. TÂRGOVIȘTE	SDS - SAFETY DATA SHEET	CODE: F.D.S. - T.C. - 401
EUROTAC		
Revizia: 0	Edition: 1	Date: January 2018
		Pagina / Număr pagini:6/6

- REGULATION (EU) No. 2015/1221 OF THE EC COMMISSION of 24 July 2015 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, for the purposes of its adaptation to technical and scientific progress.
- REGULATION (EU) No. 2016/918 OF THE EC COMMISSION of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 2016/1179 OF THE EC COMMISSION of 19 July 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 2017/542 OF THE EC COMMISSION of 22 March 2017 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures by adding an Annex on harmonised information relating to emergency health response.
- REGULATION (EU) No. 2017/776 OF THE EC COMMISSION of 4 May 2017 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 2018/669 OF THE EC COMMISSION of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- REGULATION (EU) No. 2018/1480 OF THE EC COMMISSION of 4 October 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures and correcting Commission Regulation (EU) 2017/776.
- REGULATION (EU) No. 2019/521 OF THE EC COMMISSION of 27 March 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- ADR 2019 – European Agreement concerning the International Carriage of Dangerous Goods by Roads.

15.2 Chemical Safety Assessment

Chemical safety assessment for the products was not carried out.

SECTION 16: OTHER INFORMATION

Full text of classification in section 3:

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information of this SDS are provided on the our informations and knowledge on the date of publication to this document, based on current national and EU legislation and based on the informations received from manufacturers / supplier of raw materials. As far as we know, they are correctly.

The information in this SDS are provided to ensure handling, storage, transport, use, distribution and disposal in safety conditions of the product. The SDS it provides a guidance about healthy, security and environment product aspects. The product shall not be used for any purpose other than those specified in "Section 1". Because the specific conditions of use are outside the control of the supplier, the user is responsible for taking all necessary measures to comply with all the requirements provided by law. The information contained by this SDS does not constitute the user's own assessment of occupational risks as required by health and safety legislation. The final decision regarding the opportunity to use the product is the hole responsibility of user. All products may present unknown risks, which is why they must be used with caution. We do not guarantee that the risks present in the SDS are the only ones existing. This SDS does not provide a guarantee for the technical characteristics of the product and is not the technical specification of the product for which it is developed. Cannot be the legal basis for any complaints regarding the technical characteristics of the product.