



Safety Data Sheet HOTVER 2000

Safety Data Sheet dated 18/6/2019, version 4.1,
print date 18/6/2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: HOTVER 2000

Trade code: All codes.

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

Recommended use:

Thermoplastic sealant for double glazing. Industrial use only

1.3. Details of the supplier of the safety data sheet

Company:

Fenzi S.p.A. - Via Trieste 13/15 20067 - Tribiano (MI) - Italy

Fenzi S.p.A. - Tel. +39 02 906221 - Fax +39 02 90631216

Competent person responsible for the safety data sheet:

safety@fenzigroup.com

1.4. Emergency telephone number

Fenzi S.p.A. - Tel. +39 02 906221 (h.8.30-12.00 13.30-17.00)

Australia wide: 1800 024 973 (24 hours) (EMERGENCIES ONLY)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

No specific hazards are encountered under normal product use.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No hazards known in the product. See also section. 8

No specific hazards are encountered under normal product use.

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:
None.

SECTION 4: First aid measures**4.1. Description of first aid measures**

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

None

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:

Water spray

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

Waterjet

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke. See also section 10.6.

5.3. Advice for firefighters

Use suitable protective clothing and breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Limit the spillage with absorbent barriers. Insulate the manhole to the spill site. Soak up with inert absorbent material (eg. sand, silica gel, pads). Dispose of as special waste in compliance with local and national regulations.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
Storage temperature:
Dry place.
Keep away from food, drink and feed.
Incompatible materials:
Strong oxidants. See, too, paragraph 10 below.
Instructions as regards storage premises:
Adequately ventilated premises. See, too, paragraph 8.2 below.
- 7.3. Specific end use(s)
Thermoplastic sealant for double glazing. Industrial use only

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.
- 8.2. Exposure controls
Appropriate engineering controls:
Individual protection measures
Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
Protection for skin:
Use appropriate protective clothing. (EN 340 - EN13034 - EN14605)
Protection for hands:
Suitable gloves type:
When used hot risk of burns. Use protective gloves (EN 407: 2004)
Not needed for normal use.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
If used hot: risk of burns. Use protective gloves (EN 407: 2004)
Environmental exposure controls:
None

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Solid Black	--	at 20°C and 101,3 kPa
Odour:	none	--	--
Odour threshold:	Not Relevant	--	--
pH:	N.A.	--	--
Melting point / freezing point:	65-120 °C	Regulation (EC) No. 440/2008, Annex, A.1	at 101,3 kPa.

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Initial boiling point and boiling range:	>200 °C	Regulation (EC) No. 440/2008, Annex, A.2	at 101,3 kPa. No measurable thermal phenomenon was observed up to 200 °C.
Flash point:	N.A.	Regulation (EC) No. 440/2008, Annex, A.9	Literature data show the mixture as non-flammable.
Evaporation rate:	N.A.	--	Does not apply for mixture.
Solid/gas flammability:	N.A.	--	Does not apply. The mixture is not flammable.
Upper/lower flammability or explosive limits:	N.A.	--	Does not apply. Mixture is not explosive.
Vapour pressure:	N.A.	--	Does not apply for mixture.
Vapour density:	N.A.	--	Does not apply for mixture.
Relative density:	1.1 g/cm ³	Regulation (EC) No. 440/2008, Annex, A.3	at 20°C and 101.3 kPa
Solubility in water:	none	--	--
Solubility in oil:	none	--	--
Partition coefficient (n-octanol/water):	N.A.	--	Does not apply for mixture.
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	>170 °C	--	--
Viscosity:	80-120	Pas 180 °C	--
Explosive properties:	N.A.	--	There are no chemical groups associated with explosive properties.
Oxidizing properties:	N.A.	--	There are no chemical groups associated with oxidising properties.

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant	--	--
Fat Solubility:	none	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	Not Relevant	--	--

Appropriate engineering controls:
None

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid



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Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Thermal decomposition products depend upon temperature, air supply and the presence of other materials.

Decomposition products can include and are not limited to:
CO, CO₂.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

N.A.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

N.A.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Follow the provisions of Directive 2008/98/EU on waste management.

For assignment of code for the waste follow the Decision 2014/955/EU and national legislation.

Disposal must be entrusted to a waste management company, subject to national and, where appropriate, local legislation.

Residues and containers used must be handled, recovered or disposed of according to local, national, national legislation.

It is advisable to send to waste management company all the safety information of the material contained in the packaging.



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Do not discharge waste into sewers or watercourses.

Waste transport may be according to ADR regulation.

Additional disposal information:

E.W.C. 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09*

Packaging: Empty packaging must be sent to recovery or disposal in accordance with national waste management regulations.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

Marine pollutant: none

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Environmental Pollutant:

N.A.

14.8 Exemptions

N.A.

SECTION 15: Regulatory information

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

This product does not contain substances (SVHC) included in the list established in accordance with Article 59, paragraph 1, a concentrations equal to or greater than 0.1%.

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Volatile Organic compounds - VOCs = 0.00 g/l

Volatile CMR substances = 0.00 %

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Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date.

It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to
the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.



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STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.

Poison center:

Austria:

Umweltbundesamt GmbH Abteilung Chemikalien Spittelauer Lände 51090 Wien
Tel: +43 1 313045620

Belgium

Centre antipoisons / Antigif Centrum Hôpital Militaire Reine Astrid Rue Bruyn 1, 1120 Bruxelles
Tel: +32 02 264 96 36

Bulgaria:

National Toxicology Information Center, Hospital for Active Medical Treatment and Emergency
Medicine "N.I.Pirogov" Sofia – 1000, 21 Totleben Boulevard - 1606 Sofia,
Tel/ fax: +359 2 9154 409

Croatia:

Croatian Institute for Toxicology and Antidoping 10000 Zagreb Borongajska cesta 83 g
Fax: + 385 01 46 41 368

Cyprus:

Department of Labour Inspection Ministry of Labour Welfare and Social Insurance 12, Apelli street,
Nicosia 1493, Cyprus
Tel: +35722405611

Czech Republic:

Department of Chemicals and Biocides Ministry of Health, Palackého náměstí 4 CZ - 128 01 Prague
2,
Tel: +420 2 2497 1111

Denmark:

The Danish Environmental Protection Agency, Haraldsgade 53 - 2100 København Ø,
Tel: +45 72 54 40 00.

Estonia:

Poisoning Information Centre Health Board Gonsiori 29, 15027 Tallinn, Estonia
Tel: +372 62 69 379

Finland:

Chemical Products Register, Finnish Safety and Chemicals Agency (Tukes), Yliopistonkatu 38
FI-33100 Tampere, Finland (Attila Building),
Tel: (+358) 29 5052 000.

France:

Institut national de recherche et de sécurité (INRS), 65 boulevard Richard Lenoir, 75011 Paris, Tel:
+33 1 40 44 30 00.
Centre antipoison et de toxicovigilance de Nancy, Hôpital Central 29 avenue du Maréchal de Lattre
de Tassigny 54035 Nancy Cedex,
Tel : +33 3 83 22 50 50.

Germany:



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Federal Institute for Risk Assessment (BfR) Unit: Poison and Product Documentation Centre,
Max-Dohrn-Str. 8-10 10589 Berlin,
Tel. +49 30-18412-3460

Greece:
General Chemical State Laboratory Directorate of Energy, Industrial and Chemical Products Section
B - Environment, An. Tsoha 16, GR-115 21, Athens,
Tel: +30 210 6479409.

Hungary:
National Institute of Chemical Safety (HU: Országos Kémiai Biztonsági Intézet, OKBI), Nagyvárad
tér 2 BUDAPEST H-1096.

Ireland:
Beaumont Hospital - National Poisons Information Centre Beaumont Road, Dublin 9, PO Box 1297
Tel: +353 1 8092566

Iceland:
Umhverfisstofnun (Environment Agency of Iceland) Suðurlandsbraut 24 108 Reykjavík
Tel: (+354) 591 2000

Italy:
Istituto Superiore di Sanità, National Center for Chemicals Viale Regina Elena, 299 I-00161 ROMA
Tel: +39 0649906140

Latvia:
Latvian Environment, Geology and Meteorology Centre (LEGMC) Maskavas Street 165, Riga,
LV-1019
Tel: +371 67032600

Lithuania:
Environmental Protection Agency, Juozapaviciaus st. 9, LT09311 Vilnius, Lithuania
Tel: + 370 70662008

Luxembourg:
Ministère de la Santé Allée Marconi, L-2120, Luxembourg
Tel: + 352 24785551

Malta:
Malta Competition and consumer affairs authority (MCCAA) Mizzi House, National Road Blata
I-Bajda HMR9010 - Malta
Tel: +356 2395 2000

Netherlands:
National Poisons Information Center University Medical Center Utrecht PO Box 85500, 3508 GA
Utrecht
Tel: +31 88 75 585 61

Norway:
Norwegian Environment Agency, Brattørkaia 15, 7010 Trondheim - Grensesvingen 7, 0663 - Oslo,
Tel: +47 73 58 05 00

Poland:
Department for Dangerous Substances and Preparations / Bureau for Chemical Substances and
Preparations, Dowborczykow Street 30/34 90-019 Lodz,



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Portugal:

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Tel: + 351 213 303 271.

Romania:

National Institute for Public Health, Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 Bucuresti, 050463,
Tel: +40 21 318 36 06.

Slovakia:

National toxicological information centre University Hospital Bratislava Department of Occupational Medicine and Toxicology Limbova 5, 833 05 Bratislava
Tel: + 421 2 5465 2307

Slovenia:

Chemicals Office of the Republik of Slovenia (CORS), Ministry of Health, Ajdovščina 4, SI - 1000 Ljubljana
Tel: +386 1 400 60 51

Spain:

Instituto Nacional de Toxicología y Ciencias Forenses, Calle José Echegaray, 4 28032 Las Rozas de Madrid, Madrid,
Tel: +34 917689800.

Sweden:

The Swedish Poison Information Center at the Medical Product Agency, Karolinska Universitetssjukhuset, S-171 76 Stockholm,
Tel: +46 8 331231.

United Kingdom:

National Poisons Information Service (NPIS): National Poisons Information Service (Birmingham Unit) City Hospital Dudley Rd B187QH - Birmingham
Tel: (+44) 844 892 0111 - 0344 892 0111

Value of the COV for Swiss legislation (federal law of 7.10.1983 and decree of 12.11.1997):
0.00 %