According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

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

1.1 Product identifier

Telephone

Trade name : EVERBUILD EVERFLEX PREMIUM AC95 Intumescent

Acoustic Sealant & Adhesive

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

Product use : Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Limited

Watchmead Welwyn Garden City

Hertfordshire. AL7 1BQ : +44 (0)1707 394444 : +44 (0)1707 329129

: EHS@uk.sika.com

Telefax
E-mail address of person

responsible for the SDS

1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one (BIT), 2-methyl-2H-isothiazol-3-one

(MIT), mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)).

May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

Country GB 100000008351

1/16

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

breathe spray or mist.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. | Classification | Concentration |
|----------------------------|---------------------|----------------|---------------|
| | EC-No. | | (% w/w) |
| | Registration number | | |
| Titanium dioxide (> 10 µm) | 13463-67-7 | | >= 1 - < 2,5 |
| | 236-675-5 | | |
| | 01-2119489379-17- | | |
| | XXXX | | |

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

| 1,2-benzisothiazol-3(2H)-one (BIT) | 2634-33-5 220-120-9 01-2120761540-60- XXXX | Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 —————————————————————————————————— | >= 0,0025 - < 0,025 |
|------------------------------------|---|---|-------------------------|
| 2-methyl-2H-isothiazol-3-one (MIT) | 2682-20-4 220-239-6 01-2120764690-50- XXXX | Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 1010 M-Factor (Chronic aquatic toxicity): 11 specific concentration limit Skin Sens. 1A; H317 >= 0,0015 % | >= 0,0002 - < 0,0015 |

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

| mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)) | 55965-84-9 911-418-6 01-2120764691-48- XXXX | Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 | >= 0,0002 - < 0,0015 |
|--|--|--|-------------------------|
| | | M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100 | |
| | | specific concentration limit Skin Corr. 1C; H314 >= 0,6 % Skin Irrit. 2; H315 0,06 - < 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 % | |
| For explanation of abbreviations se | e section 16 | | |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

In case of eye contact : Remove contact lenses.

Keep eye wide open while rinsing.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

If swallowed : Do not induce vomiting without medical advice.

Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects **Symptoms**

and symptoms.

Risks No known significant effects or hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon diox-

ide/sand/foam/alcohol resistant foam/chemical powder for

extinction.

5.2 Special hazards arising from the substance or mixture

ucts

Hazardous combustion prod- : No hazardous combustion products are known

5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Further information Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling For personal protection see section 8.

No special handling advice required.

Follow standard hygiene measures when handling chemical

products

fire and explosion

Advice on protection against : Normal measures for preventive fire protection.

When using do not eat or drink. When using do not smoke. Hygiene measures

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated

place. Store in accordance with local regulations.

Advice on common storage No special restrictions on storage with other products.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) Consult most current local Product Data Sheet prior to any

use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters * | Basis * |
|----------------------------|------------|-------------------------------|----------------------|---------|
| Titanium dioxide (> 10 μm) | 13463-67-7 | TWA (inhalable dust) | 10 mg/m3 | GB EH40 |

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

| TWA (Respirable | 4 mg/m3 | GB EH40 |
|-----------------|---------|---------|
| dust) | | |

^{*}The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards.

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection : Safety glasses

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

facturer specifications.

Butyl rubber/nitrile rubber gloves (> 0,1 mm) Recommended: Butyl rubber/nitrile rubber gloves.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,

long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing

and stirring work.

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work-

ing limits of the selected respirator.

organic vapor filter (Type A)

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Environmental exposure controls

General advice : No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid Appearance : paste

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

Colour white

Odour odourless

Melting point/range / Freezing : No data available

point

Boiling point/boiling range No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits

Upper explosion limit / Up- : No data available

per flammability limit

Lower explosion limit /

Lower flammability limit

: No data available

: > 100 °C Flash point

Auto-ignition temperature No data available

Decomposition temperature : No data available

pΗ 8,5 - 9,5 (20 °C)

Viscosity

 $> 20,5 \text{ mm2/s} (40 ^{\circ}\text{C})$ Viscosity, kinematic

Solubility(ies)

Water solubility : soluble

Partition coefficient: n-

octanol/water

: No data available

Vapour pressure : 0,01 hPa

Density : ca. 1,6 g/cm3 (20 °C)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

Relative vapour density : No data available

Particle characteristics : No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Components:

1,2-benzisothiazol-3(2H)-one (BIT):

Acute oral toxicity : LD50 Oral (Rat): 597 mg/kg

Acute toxicity estimate: 597 mg/kg

Method: Calculation method

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

Acute inhalation toxicity : LC50: 0,4 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute toxicity estimate: 0,4 mg/l Test atmosphere: dust/mist Method: Calculation method

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

2-methyl-2H-isothiazol-3-one (MIT):

Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-

one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

1,2-benzisothiazol-3(2H)-one (BIT):

Assessment : May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent **Acoustic Sealant & Adhesive**

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

: The substance/mixture does not contain components consid-Assessment

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

1,2-benzisothiazol-3(2H)-one (BIT):

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 3 mg/l

aquatic invertebrates Exposure time: 48 h

2-methyl-2H-isothiazol-3-one (MIT):

M-Factor (Acute aquatic tox- : 10

icity)

10

1

M-Factor (Chronic aquatic

toxicity)

1

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-

one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

M-Factor (Acute aquatic tox- : 100

icity)

100

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent **Acoustic Sealant & Adhesive**

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

M-Factor (Chronic aquatic

toxicity)

100

100

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

12.6 Endocrine disrupting properties

Product:

The substance/mixture does not contain components consid-Assessment

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

12.7 Other adverse effects

Product:

mation

Additional ecological infor- : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product The generation of waste should be avoided or minimized

wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

way.

Dispose of surplus and non-recyclable products via a licensed

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number or ID number

ADR Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good **IATA** Not regulated as a dangerous good

14.2 UN proper shipping name

ADR Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good **IATA** Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good **IATA** Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good IATA (Cargo) Not regulated as a dangerous good IATA (Passenger) Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixtureRelevant EU provisions transposed through retained EU law

International Chemical Weapons Convention (CWC)

Schedules of Toxic Chemicals and Precursors

Not applicable

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

: Not applicable

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

(VOCV)

no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

Not applicable

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture:

: Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations

(COSHH)

May be subject to the Control of Major Accident Hazards

Regulations (COMAH), and amendments.

Other regulations:

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements

H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H310 : Fatal in contact with skin.
H311 : Toxic in contact with skin.

H314 : Causes severe skin burns and eye damage.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

H318 : Causes serious eye damage.

H330 : Fatal if inhaled.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Dam.Skin Corr.Skin corrosionSkin Irrit.Skin irritationSkin sensitisation

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
ADR : European Agreement concerning the International Carriage of

Dangerous Goods by Road Chemical Abstracts Service

CAS : Chemical Abstracts Service
DNEL : Derived no-effect level

EC50 : Half maximal effective concentration
GHS : Globally Harmonized System

IATA : International Air Transport Association

IMDG : International Maritime Code for Dangerous Goods

LD50 : Median lethal dosis (the amount of a material, given all at

once, which causes the death of 50% (one half) of a group of

test animals)

LC50 : Median lethal concentration (concentrations of the chemical in

air that kills 50% of the test animals during the observation

period)

MARPOL : International Convention for the Prevention of Pollution from

Ships, 1973 as modified by the Protocol of 1978

OEL : Occupational Exposure Limit

PBT : Persistent, bioaccumulative and toxic PNEC : Predicted no effect concentration

REACH : 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 Chemicals Agency

SVHC : Substances of Very High Concern

vPvB : Very persistent and very bioaccumulative

Further information

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



EVERBUILD EVERFLEX PREMIUM AC95 Intumescent Acoustic Sealant & Adhesive

Date of last issue: 17.02.2023 Version 6.22 Print Date 29.02.2024

Revision Date: 16.06.2023

Changes as compared to previous version!

GB / EN