# PROXL GENERATION 20 – ULTRA FILL PLASTIC

## *Safety Data Sheet*

According to 1907/2006/EC, Article 31
Printing date: 15.01.2015 Revision date: 24.06.2021 Version: 4.1

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

### 1.1 Product identifier

Trade name: PROXL GENERATION20 Ultra Fill Plastic

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

Identified uses: professional use.
Application of the substance /the mixture Knife filler/ Surfacer
Uses advised against Not determined.

### 1.3 Details of the supplier of the safety data sheet

ProXL Refinishing Products
Unit 6
Walbrook Business Park
Queenborough Road
Minster on Sea
SHEERNESS
ME12 3XS
Tel: +44 (0)1634 823900
Email: info@proxl.com

### 1.4 Emergency telephone

Emergency number: +44(0)1634 823900 (08.00 / 17.00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture Classification

according to Regulation (EC) No 1272/2008

GHS02
Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS08
Repr. 2 H361d Suspected of damaging the unborn child.
STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.

GHS07
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07 GHS08

Signal word: Danger

Hazard-determining components of labelling:
styrene
maleic anhydride
2,2'-(m-tolylimino)diethanol

Hazard statements
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H372 Causes damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe the mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection. P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 100-42-5 styrene 10-<20%
EINECS: 202-851-5
Reg.nr.: 01-2119457861-32
Flam. Liq. 3, H226; Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412

CAS: 141-78-6 ethyl acetate 0.1-<1%
EINECS: 205-500-4
Reg.nr.: 01-2119475103-46
Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066

CAS: 91-99-6 2,2'-(m-tolylimino)diethanol 0.1-<1%
EINECS: 202-114-8
Reg.nr.: 01-2120791683-42
STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317

CAS: 2687-91-4 N-Ethyl-2-Pyrrolidone 0.1-<0.3%
EINECS: 220-250-6
Reg.nr.: 01-2119472138-36
Repr. 1B, H360D; Eye Dam. 1, H318

CAS: 108-31-6 maleic anhydride 0.001-<0.1%
EINECS: 203-571-6
Reg.nr.: 01-2119472428-31
Resp. Sens. 1, H334; STOT RE 1, H372; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317
Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

| | |
|---|---|
| General information: | Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Immediately remove any clothing soiled by the product.<br>In case of irregular breathing or respiratory arrest provide artificial respiration. Take affected persons out of danger area and lay down. |
| After inhalation: | Supply fresh air and to be sure call for a doctor.<br>In case of unconsciousness place patient stably in side position for transportation. |
| After skin contact: | Immediately wash with water and soap and rinse thoroughly.<br>If skin irritation continues, consult a doctor. |
| After eye contact: | Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| After swallowing: | Do not induce vomiting; call for medical help immediately. |

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media Suitable extinguishing agents:

$CO_2$, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

| | |
|---|---|
| For safety reasons unsuitable extinguishing agents: | Water with full jet |

### 5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

| | |
|---|---|
| Protective equipment: | Wear self-contained respiratory protective device.<br>Do not inhale explosion gases or combustion gases. |
| Additional information | Cool endangered receptacles with water spray.<br>Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.<br>Collect contaminated fire fighting water separately. It must not enter the sewage system. |

## *SECTION 6: Accidental release measures*

### 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
Keep away from ignition sources. Avoid contact with the eyes and skin.

### 6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

### 6.3 Methods and material

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents. Dispose of the material collected according to regulations.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Fumes can combine with air to form an explosive mixture.

### 7.2 Conditions for safe storage, including any incompatibilities Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.

**7.3** Specific end use(s) No further relevant information available.

## *SECTION 8: Exposure controls/personal protection*

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
100-42-5 styrene
WEL (Great Britain) Short-term value: 1080 mg/m, 250 ppm
Long-term value: 430 mg/m, 100 ppm

141-78-6 ethyl acetate
WEL (Great Britain) Short-term value: 1468 mg/m, 400 ppm
Long-term value: 734 mg/m, 200 ppm
IOELV (EU) Short-term value: 1468 mg/m, 400 ppm
Long-term value: 734 mg/m, 200 ppm

108-31-6 maleic anhydride
WEL (Great Britain) Short-term value: 3 mg/m
Long-term value: 1 mg/m Sen

Regulatory information WEL (Great Britain): EH40/2020
IOELV (EU): (EU) 2019/1831

DNELs

100-42-5 styrene

Dermal DNEL 406 mg/kg bw/day (long-term - systemic effects, workers) Inhalative DNEL 289 mg/m3 (acute - systemic effects, workers)
306 mg/m3 (acute - local effects, workers)
85 mg/m3 (long-term - systemic effects, workers)

141-78-6 ethyl acetate

Dermal DNEL 63 mg/kg bw/day (long-term - systemic effects, workers) Inhalative DNEL 1,468 mg/m3 (acute - systemic effects, workers)
1,468 mg/m3 (acute - local effects, workers)
734 mg/m3 (long-term - systemic effects, workers) 734 mg/m3 (long-term - local effects, workers)

PNECs

100-42-5 styrene

PNEC 0.028 mg/l (freshwater environment) 0.0028 mg/l (marine environment)
0.04 mg/l (intermittent releases) 5 mg/l (sewage treatment plants)
PNEC 0.614 mg/kg (freshwater sediment environment) 0.0614 mg/kg (marine sediment environment)
0.2 mg/kg (soil)

141-78-6 ethyl acetate

PNEC 0.24 mg/l (freshwater environment)
0.024 mg/l (marine environment)
1.65 mg/l (intermittent releases) 650 mg/l (sewage treatment plants)
PNEC 1.15 mg/kg (freshwater sediment environment)
0.115 mg/kg (marine sediment environment)

Additional information: The lists valid during the making were used as basis.

## 8.2 Exposure controls

Appropriate engineering controls: No further data; see item 7.

Individual protection measures, such as personal protective equipment General protective and hygienic measures:
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Keep ignition sources away - Do not smoke.
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.
Store protective clothing separately. Do not inhale gases / fumes / aerosols.

| | |
|---|---|
| | Avoid contact with the eyes and skin. Do not eat or drink while working. |
| Respiratory protection: | In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A2/P2 |
| Hand protection | Protective gloves<br>Check the permeability prior to each anewed use of the glove.<br>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.<br>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374). |
| Material of gloves | Fluorocarbon rubber (Viton)<br>Recommended thickness of the material: 0,7 mm<br>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. |
| Penetration time of glove material | Value for the permeation: Level 6 480 min.<br>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Eye/face protection | Tightly sealed goggles |
| Body protection: | Protective work clothing |

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties General Information

| | |
|---|---|
| Physical state | Fluid |
| Colour: | Dark grey |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | 145 °C |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | 1.1 Vol % |
| Upper: | 6.1 Vol % |
| Flash point: | 31 °C |
| Auto-ignition temperature: | Not determined. |
| Decomposition temperature: | Not determined. |
| pH | Not applicable. |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| Dynamic: | Not determined. |
| Solubility | |
| water: | Not miscible or difficult to mix. |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure at 20 °C: | 6.7 hPa Density |
| and/or relative density | |
| Density: | 2-2.1 g/cm |
| Vapour density | Not determined. |

### 9.2 Other information

| | |
|---|---|
| Appearance: | |
| Form: | Pasty |
| Important information on protection of health and environment, and on safety. | |
| Explosive properties: | Product is not explosive. However, formation of explosive air/ vapour mixtures are possible. |
| Change in condition | |
| Evaporation rate | Not determined. |
| Information with regard to physical hazard classes Explosives | Void |
| Flammable gases | Void |
| Aerosols | Void |
| Oxidising gases | Void |
| Gases under pressure | Void |
| Flammable liquids | Flammable liquid and vapour. |
| Flammable solids | Void |
| Self-reactive substances and mixtures | Void |
| Pyrophoric liquids | Void |
| Pyrophoric solids | Void |
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable gases in contact with water | Void |
| Oxidising liquids | Void |
| Oxidising solids | Void |
| Organic peroxides | Void |
| Corrosive to metals | Void |
| Desensitised explosives | Void |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if used according to specifications.

### 10.2 Chemical stability

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous *reactions*

Exothermic polymerisation.
Reacts with peroxides and other radical forming substances.
Fumes can combine with air to form an explosive mixture.

### 10.4 Conditions to avoid

Protect from heat and direct sunlight.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

## SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met.
LD/LC50 values relevant for classification:
100-42-5 styrene

| | | |
|---|---|---|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rat) |

Inhalative LC50/4 h 11.8 mg/l (rat)

141-78-6 ethyl acetate

| | | |
|---|---|---|
| Oral | LD50 | 6,100 mg/kg (rat) Dermal |
| | LD50 | >20,000 mg/kg (rabbit) |

Inhalative LC50/6 h 58 mg/l (rat)

91-99-6 2,2'-(m-tolylimino)diethanol

| | | |
|---|---|---|
| Oral | LD50 | 500 mg/kg (ATE) |

108-31-6 maleic anhydride

| | | |
|---|---|---|
| Oral | LD50 | 1,090 mg/kg (rat) |
| Dermal | LD50 | 2,620 mg/kg (rabbit) |

Primary irritant effect:

| | |
|---|---|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Suspected of damaging the unborn child. |
| STOT-single exposure | Based on available data, the classification criteria are not met. |
| STOT-repeated exposure | Causes damage to the hearing organs through prolonged or repeated exposure. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |

### 11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:
100-42-5 styrene
LC50/96 h 4.02 mg/l (Pimephales promelas) EC50/48 h
4.7 mg/l (Daphnia magna)
EC50/72 h 4.9 mg/l (Pseudokirchnerella subcapitata)

141-78-6 ethyl acetate

LC50/96 h 230 mg/l (Pimephales promelas) EC50/48 h
165 mg/l (Daphnia cucullata)
EC50/72 h >900 mg/l (Scenedesmus subspicatus) EC3/16 h 650
mg/l (Pseudomonas putida)

91-99-6 2,2'-(m-tolylimino)diethanol

EC50/48 h 107 mg/l (Daphnia magna)

EC50/72 h >100 mg/l (Pseudokirchnerella subcapitata) LC50/48 h
>102 mg/l (fish)

### 12.2 Persistence and degradability

100-42-5 styrene
Biodegradation 70.9 % (readily biodegradable) (ISO 9408, 28 d, aerobic)

141-78-6 ethyl acetate
Biodegradation 93.9 % (readily biodegradable) (OECD 301 B, aerobic)

### 12.3 Bioaccumulative potential

100-42-5 styrene
BCF 74 (-)
log Pow 2.96

141-78-6 ethyl acetate
BCF 30 (-)
log Pow 0.66

91-99-6 2,2'-(m-tolylimino)diethanol
log Kow 1.9

### 12.4 Mobility in soil

100-42-5 styrene
log Koc 2.55
Koc 352

### 12.5 Results of PBT and vPvB assessment PBT:

Not applicable.
vPvB: Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects Additional

ecological information:
General notes: Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods *Recommendation*

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
European waste catalogue
08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA UN1866

## 14.2 UN proper shipping name

| | |
|---|---|
| ADR | 1866 RESIN SOLUTION |
| IMDG, IATA | RESIN SOLUTION |

## 14.3 Transport hazard class(es)

ADR, IMDG, IATA

| | |
|---|---|
| Class | 3 |
| Label | 3 |

## 14.4 Packing group

| | |
|---|---|
| ADR, IMDG, IATA | III |

## 14.5 Environmental hazards:

Not applicable.

Marine pollutant (IMDG): No

## 14.6 Special precautions for user

Warning: Flammable liquids.

| | |
|---|---|
| Hazard identification number (Kemler code): | 30 |
| EMS Number: | F-E,S-E |
| Stowage Category | A |

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:

ADR

| | |
|---|---|
| Limited quantities (LQ) | 5L |
| Transport category | 3 |
| Tunnel restriction code | D/E |
| Remarks: | ADR 2.2.3.1.5 |

IMDG

| | |
|---|---|
| Limited quantities (LQ) | 5L |
| Remarks: | IMDG 2.3.2.5 |
| UN "Model Regulation": | UN 1866 RESIN SOLUTION, 3, III |

# SECTION 15: Regulatory information

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

Directive 2012/18/EU

| | |
|---|---|
| Named dangerous substances - ANNEX I | None of the ingredients is listed. |
| Seveso category | P5c FLAMMABLE LIQUIDS |
| Qualifying quantity (tonnes) for the application of lower-tier requirements | 5,000 t |
| Qualifying quantity (tonnes) for the application of upper-tier requirements | 50,000 t |

REGULATION (EC) No 1907/2006
ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148
Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

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.

Relevant phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour. H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation.
H317 May cause an allergic skin reaction. H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360D May damage the unborn child.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

# PROXL GENERATION 20 – ULTRA FILL PLASTIC

## *Safety Data Sheet*

According to 1907/2006/EC, Article 31
Printing date: 15.01.2015 Revision date: 24.06.2021 Version: 4.1

Classification according to Regulation (EC) No 1272/2008

| | |
|---|---|
| Flammable liquids | Bridging principles |
| Skin corrosion/irritation<br>Serious eye damage/eye irritation Skin sensitisation<br>Reproductive toxicity<br>Specific target organ toxicity (repeated exposure) | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |

Version number of previous version: 4.0

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Resp. Sens. 1: Sensitisation - Respiratory. Hazard category 1 Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
Skin Sens. 1A: Sensitisation - Skin. Hazard Category 1A Skin Sens. 1B: Sensitisation - Skin. Hazard Category 1B Repr. 1B: Reproductive toxicity. Hazard Category 1B Repr. 2: Reproductive toxicity. Hazard Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources: European Chemicals Agency, http://echa.europa.eu/

* Data compared to the previous version altered.