1 Identification

· Product identifier
  · Trade name: 1456568-1456571, 1506366-1506368 Series DTM Primers
  · Article number: 1456568, 1456569, 1456570, 1456571, 1506367, 1506366, 1506368
  · Application of the substance / the mixture Coating

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Kent Automotive
    8770 W. Bryn Mawr Ave, Suite 900
    Chicago, IL 60631-3515
    773-304-5050
  · Information department:
    Regulatory.Affairs@lawsonproducts.com
    Kent Automotive 773 304-5050
  · Emergency telephone number: 1-888-426-4851

2 Hazard(s) identification

· Classification of the substance or mixture
  
  GHS02 GHS04 Flame, Gas cylinder
  
  Flam. Aerosol 1 H222 Extremely flammable aerosol.

  GHS04 Gas cylinder
  
  Press. Gas H280 Contains gas under pressure; may explode if heated.

  GHS08 Health hazard
  
  Carc. 1A H350 May cause cancer.
  Repr. 2 H361 Suspected of damaging fertility or the unborn child.
  STOT SE 2 H371 May cause damage to organs.
  STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

  GHS07
  
  Skin Irrit. 2 H315 Causes skin irritation.
  Eye Irrit. 2A H319 Causes serious eye irritation.
  STOT SE 3 H336 May cause drowsiness or dizziness.

(Contd. on page 2)
Trade name: 1456568-1456571, 1506366-1506368 Series DTM Primers

- **Label elements**
  - **GHS label elements**
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    ![GHS pictograms]
  - **Signal word** Danger
  - **Hazard-determining components of labeling:**
    Quartz (SiO2)
    acetone
    toluene
    n-butyl acetate
  - **Hazard statements**
    H222 Extremely flammable aerosol.
    H280 Contains gas under pressure; may explode if heated.
    H315 Causes skin irritation.
    H319 Causes serious eye irritation.
    H350 May cause cancer.
    H361 Suspected of damaging fertility or the unborn child.
    H371 May cause damage to organs.
    H336 May cause drowsiness or dizziness.
    H373 May cause damage to organs through prolonged or repeated exposure.
  - **Precautionary statements**
    P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
    P251 Do not pierce or burn, even after use.
    P260 Do not breathe dust/fume/gas/mist/vapors/spray.
    P211 Do not spray on an open flame or other ignition source.
    P280 Wear protective gloves.
    P280 Wear eye protection / face protection.
    P264 Wash thoroughly after handling.
    P270 Do not eat, drink or smoke when using this product.
    P201 Obtain special instructions before use.
    P202 Do not handle until all safety precautions have been read and understood.
    P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    P311 Specific treatment (see on this label).
    P308+P313 IF exposed or concerned: Get medical advice/attention.
    P332+P313 If skin irritation occurs: Get medical advice/attention.
    P337+P313 If eye irritation persists: Get medical advice/attention.
    P314 Get medical advice/attention if you feel unwell.
    P302+P352 IF ON SKIN: Wash with plenty of water.
    P362+P364 Take off contaminated clothing and wash it before reuse.
    P405 Store locked up.
    P410+P403 Protect from sunlight. Store in a well-ventilated place.
    P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description:
  Mixture: consisting of the following components.
  Weight percentages
- Dangerous components:
  68476-86-8 Petroleum gases, liquefied, sweetened 13 - 30%
  67-64-1 acetone 13 - 30%
  14808-60-7 Quartz (SiO2) 13 - 30%
  1330-20-7 xylene 10 -13%
  110-19-0 isobutyl acetate 7 - 10%
  108-88-3 toluene 1.5 - 5%
  123-86-4 n-butyl acetate 1.5 - 5%
  78-93-3 butanone 1.5 - 5%
  1333-86-4 Carbon black 1-1.5%

4 First-aid measures

- Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture: During heating or in case of fire poisonous gases are produced.

- Advice for firefighters
  - Protective equipment: Wear self-contained respiratory protective device. Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Mount respiratory protective device.
  - Wear protective equipment. Keep unprotected persons away.

- Environmental precautions: Do not allow to enter sewers/surface or ground water.

- Methods and material for containment and cleaning up:
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.

- 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.

7 Handling and storage

- Handling:
  - Precautions for safe handling: No special measures required. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

- Information about protection against explosions and fires:
  - Do not spray on a naked flame or any incandescent material.
  - Keep ignition sources away - Do not smoke.
  - Keep respiratory protective device available.
  - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

- Conditions for safe storage, including any incompatibilities

- Storage:
  - Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings with pressurized containers.
  - Information about storage in one common storage facility: Store away from oxidizing agents.
  - Further information about storage conditions: Keep receptacle tightly sealed.
· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

67-64-1 acetone
PEL Long-term value: 2400 mg/m³, 1000 ppm
REL Long-term value: 590 mg/m³, 250 ppm
TLV Short-term value: 1187 mg/m³, 500 ppm
  Long-term value: 594 mg/m³, 250 ppm
  BEI

14808-60-7 Quartz (SiO2)
PEL see Quartz listing
REL Long-term value: 0.05* mg/m³
  *respirable dust; See Pocket Guide App. A
TLV Long-term value: 0.025* mg/m³
  *as respirable fraction

1330-20-7 xylene
PEL Long-term value: 435 mg/m³, 100 ppm
REL Short-term value: 655 mg/m³, 150 ppm
  Long-term value: 435 mg/m³, 100 ppm
TLV Short-term value: 651 mg/m³, 150 ppm
  Long-term value: 434 mg/m³, 100 ppm
  BEI

110-19-0 isobutyl acetate
PEL Long-term value: 700 mg/m³, 150 ppm
REL Long-term value: 700 mg/m³, 150 ppm
TLV Short-term value: 172 mg/m³, 150 ppm
  Long-term value: 238 mg/m³, 50 ppm

108-88-3 toluene
PEL Long-term value: 200 ppm
  Ceiling limit value: 300; 500* ppm
  *10-min peak per 8-hr shift
REL Short-term value: 560 mg/m³, 150 ppm
  Long-term value: 375 mg/m³, 100 ppm
TLV Long-term value: 75 mg/m³, 20 ppm
  BEI

123-86-4 n-butyl acetate
PEL Long-term value: 710 mg/m³, 150 ppm
42.2.28

REL Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppm

TLV Short-term value: 712 mg/m³, 150 ppm
Long-term value: 238 mg/m³, 50 ppm

78-93-3 butanone
PEL Long-term value: 590 mg/m³, 200 ppm
REL Short-term value: 885 mg/m³, 300 ppm
Long-term value: 590 mg/m³, 200 ppm
TLV Long-term value: 885 mg/m³, 300 ppm
Long-term value: 590 mg/m³, 200 ppm

BEI

1333-86-4 Carbon black
PEL Long-term value: 3.5 mg/m³
REL Long-term value: 3.5* mg/m³
*0.1 in presence of PAHs; See Pocket Guide Apps.A+C

TLV Long-term value: 3* mg/m³
*inhalable fraction

Ingredients with biological limit values:

67-64-1 acetone
BEI 50 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

1330-20-7 xylene
BEI 1.5 g/g creatinine
Medium: urine
Time: end of shift
Parameter: Methylhippuric acids

108-88-3 toluene
BEI 0.02 mg/L
Medium: blood
Time: prior to last shift of workweek
Parameter: Toluene

0.03 mg/L
Medium: urine
Time: end of shift
Parameter: Toluene

0.3 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: o-Cresol with hydrolysis (background)

78-93-3 butanone
BEI 2 mg/L
Medium: urine
Time: end of shift
Parameter: MEK

(Contd. of page 5)
Safety Data Sheet
acc. to OSHA HCS

Printing date 10/27/2016
Reviewed on 10/27/2016

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- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**
  - 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.
  - Avoid contact with the eyes and skin.

- **Breathing equipment:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  - 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**
  - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**
  - Safety glasses

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**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**
  - Form: Aerosol
  - Color: According to product specification
  - Odor: Characteristic
  - Odor threshold: Not determined.
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(Contd. of page 7)

- **pH-value:** Not determined.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 55 °C
- **Flash point:** -103 °C
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 405 °C
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture. Avoid high heat
- **Explosion limits:**
  - Lower: 1.1 Vol %
  - Upper: 13.0 Vol %
- **Vapor pressure at 20 °C:** 233 hPa
- **Density at 20 °C:** 0.82001 g/cm³
- **Relative density**
- **Vapor density**
- **Evaporation rate**
- **Solubility in / Miscibility with**
  - Water: Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent content:**
  - Organic solvents: 76.6 %
  - VOC content: 56.9 %
  - 586.7 g/l / 4.90 lb/gl
  - Solids content: 23.4 %
- **Other information**
  - No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
  - **Possibility of hazardous reactions** No dangerous reactions known.
  - **Conditions to avoid** No further relevant information available.
  - **Incompatible materials:** No further relevant information available.
  - **Hazardous decomposition products:**
    - Nitrogen oxides
    - Hydrocarbons

(Contd. on page 9)
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    - 1330-20-7 xylene
      - Oral LD50 4300 mg/kg (rat)
      - Dermal LD50 2000 mg/kg (rabbit)
    - 108-88-3 toluene
      - Oral LD50 5000 mg/kg (rat)
      - Dermal LD50 12124 mg/kg (rabbit)
      - Inhalative LC50/4 h 5320 mg/l (mouse)
- Primary irritant effect:
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
  - Irritant

Carcinogenic categories
- IARC (International Agency for Research on Cancer)
  - 14808-60-7 Quartz (SiO2) 1
  - 1330-20-7 xylene 3
  - 108-88-3 toluene 3
  - 13463-67-7 titanium dioxide 2B
  - 1333-86-4 Carbon black 2B
  - 14807-96-6 Talc 3
  - 111-76-2 2-butoxyethanol 3
  - 100-41-4 ethylbenzene 2B
  - 7631-86-9 silicon dioxide, chemically prepared 3
- NTP (National Toxicology Program)
  - 14808-60-7 Quartz (SiO2) K
- OSHA-Ca (Occupational Safety & Health Administration)
  - 68911-87-5 montmorilontie clay complex

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability No further relevant information available.
Trade name: 1456568-1456571, 1506366-1506368 Series DTM Primers

- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.

- **Additional ecological information:**
  - **General notes:**
    Water hazard class 3 (Self-assessment): extremely hazardous for water
    Do not allow product to reach ground water, water course or sewage system, even in small quantities.
    Danger to drinking water if even extremely small quantities leak into the ground.

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

- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA: UN1950

- **UN proper shipping name**
  - DOT: Aerosols, flammable
  - ADR: 1950 Aerosols
  - IMDG: AEROSOLS
  - IATA: AEROSOLS, flammable

- **Transport hazard class(es)**

  - DOT
    - **Class**: 2.1
    - **Label**: 2.1

(Contd. on page 11)
Trade name: 1456568-1456571, 1506366-1506368 Series DTM Primers

- **ADR**
  - Class 2.1
  - Label 2.1

- **IMDG, IATA**
  - Class 2.1
  - Label 2.1
  - Void

- **Environmental hazards:**
  - Marine pollutant: No

- **Special precautions for user**
  - Warning: Gases
  - EMS Number: F-D,S-U
  - Stowage Code SW1 Protected from sources of heat.
  - SW22 For AEROSOLS with a maximum capacity of 1 litre:
    Category A. For AEROSOLS with a capacity above 1 litre:
    Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

- **Segregation Code**
  - SG69 For AEROSOLS with a maximum capacity of 1 litre:
    Segregation as for class 9. Stow “separated from” class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

- **Transport/Additional information:**
  - DOT
  - Quantity limitations
    - On passenger aircraft/rail: 75 kg
    - On cargo aircraft only: 150 kg

- **ADR**
  - Excepted quantities (EQ)
    - Code: E0
    - Not permitted as Excepted Quantity

(Contd. on page 12)
15 Regulatory information

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

· **Sara**

· **Section 355 (extremely hazardous substances):**
  None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**
  1330-20-7 xylene
  Acrylic Resin
  108-88-3 toluene
  78-93-3 butanone
  14807-96-6 Talc
  111-76-2 2-butoxyethanol
  100-41-4 ethylbenzene
  67-56-1 methanol

· **TSCA (Toxic Substances Control Act):**
  67-64-1 acetone
  14808-60-7 Quartz (SiO2)
  1330-20-7 xylene
  110-19-0 isobutyl acetate
  108-88-3 toluene
  123-86-4 n-butyl acetate
  13463-67-7 titanium dioxide
  78-93-3 butanone
  1333-86-4 Carbon black
  14807-96-6 Talc
  68911-87-5 montmorilontie clay complex
  16883-83-3 benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate
  51274-00-1 YELLOW IRON OXIDE
  111-76-2 2-butoxyethanol
  100-41-4 ethylbenzene

· **Proposition 65**

· **Chemicals known to cause cancer:**
  14808-60-7 Quartz (SiO2)
  1330-20-7 xylene
Trade name: 1456568-1456571, 1506366-1506368 Series DTM Primers

- **Chemicals known to cause reproductive toxicity for females:**
  None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**
  None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**
  108-88-3 toluene
  67-56-1 methanol

- **Cancerogenity categories**

  - **EPA (Environmental Protection Agency)**
    67-64-1 acetone I
    1330-20-7 xylene I
    108-88-3 toluene II
    78-93-3 butanone I
    111-76-2 2-butoxyethanol NL
    100-41-4 ethylbenzene D

  - **TLV (Threshold Limit Value established by ACGIH)**
    67-64-1 acetone A4
    14808-60-7 Quartz (SiO2) A2
    1330-20-7 xylene A4
    108-88-3 toluene A4
    13463-67-7 titanium dioxide A4
    1333-86-4 Carbon black A4
    14807-96-6 Talc A4
    111-76-2 2-butoxyethanol A3
    100-41-4 ethylbenzene A3

  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    14808-60-7 Quartz (SiO2) A4
    13463-67-7 titanium dioxide A4
    1333-86-4 Carbon black A4
    67-56-1 methanol A4

- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**

  - GHS02
  - GHS04
  - GHS07
  - GHS08
Signal word Danger

Hazard-determining components of labeling:
Quartz (SiO2)
acetone
toluene
n-butyl acetate

Hazard statements
H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H371 May cause damage to organs.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P211 Do not spray on an open flame or other ignition source.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P201 Obtain special instructions before use.
P202 Obtain special instructions before use.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P308+P313 IF exposed or concerned: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:
Additional classification according to Decree on Hazardous Materials:
Carcinogenic hazardous material group III (dangerous).

Information about limitation of use:
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
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.

- **Department issuing SDS:** Regulatory Affairs department
- **Contact:** Victoria Shargorodsky
- **Date of preparation / last revision** 10/27/2016 / 16
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - BEI: Biological Exposure Limit
  - Flam. Aerosol 1: Aerosols – Category 1
  - Press. Gas: Gases under pressure – Compressed gas
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  - Carc. 1A: Carcinogenicity – Category 1A
  - Repr. 2: Reproductive toxicity – Category 2
  - STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

  * **Data compared to the previous version altered.**