

### SECTION 1: *Identification*

- **1.1 Product identifier**
- Trade name: iQprint® Wash
- Product form: Mixture.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- No further relevant information available.
- **Application of the substance/the mixture:** Cleaning/washing agents and additives.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- Elegant Dent Ltd
- Woodland Enterprise, Hastings Road, Flimwell,
- East Sussex, TN5 7PR, United Kingdom
- Tel: +44 208 453 6067
- Fax: +44 207 681 1110
- **Informing department:** E-mail: [info@elegantdent.com](mailto:info@elegantdent.com)
- **1.4 Emergency telephone number:** +44 208 453 6067

### SECTION 2: *Hazards identification*

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No. 1272/2008 [CLP]:**
- Not classified.
- **Adverse physicochemical, human health and environmental effects:**
- To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No. 1272/2008 [CLP]:**
- No labelling applicable.
- **2.3 Other hazards:**
- No additional information available.

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### SECTION 3: *Composition/information on ingredients*

- **3.1 Chemical characterisation:** Mixtures.
- **3.2 Mixtures**
- **Description of the mixture:** Viscous liquid.

Name	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Proprietary (Glycol Ether)	≤ 70	Not classified
Proprietary (Bio solvent)	≤ 10 - < 15	Not classified
Proprietary (Methyl Ether)	≤ 0.1 - < 1	Not classified
Proprietary (Crosslinking agent)	< 0.1	Eye Irrit. 2, H319 Skin Sens. 1, H317
Proprietary (Triacrylate)	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Proprietary (Triacrylate)	< 0.1	Aquatic Chronic 2, H411

- **Additional information:** For full text of H- and EUH- phrases: see section 16.

### SECTION 4: *First aid measures*

- **4.1 Description of first aid measures**
- **First-aid measures general:** Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Get medical device/attention if you feel unwell.
- **First-aid measures after inhalation:** Remove person to fresh air and keep comfortable breathing. Call a POISON CENTER/doctor if you feel unwell. If breathing is difficult, remove victim to a fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if victim is not breathing.
- **First-aid measures after skin contact:** Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use. Repeated exposure may cause skin dryness or cracking.
- **First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- If eye irritation persists: Get medical advice/attention.
- **First-aid measures after ingestion:** If swallowed, seek medical advice immediately and show this container or label. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
- **4.2 Most important symptoms and effects, both acute and delayed**
- **Symptoms/effects:** Not expected to present a significant hazard under anticipated conditions of normal use.
- **Symptoms/effects after inhalation:** None under normal use.
- **Symptoms/effects after skin contact:** Repeated exposure may cause skin dryness or cracking.
- **Symptoms/effects after eye contact:** None under normal conditions.
- **Symptoms/effects after ingestion:** Rinse mouth with water. No emergency medical treatment necessary.
- **4.3 Indication of any immediate medical attention and special treatment needed:**
- In all cases of doubt, or when symptoms persist, seek medical attention. Seek medical advice (show the label where possible). Treat symptomatically.

## SECTION 5: *Firefighting measures*

- **5.1 Extinguishing media**
- **Suitable extinguishing media:** Water spray, dry powder, foam, carbon dioxide.
- **Unsuitable extinguishing media:** Do not use a heavy water stream.
- **5.2 Special hazards arising from the substance or mixture**
- **Fire hazard:** In case of fire, irritating fumes come free.
- **Explosion hazard:** No direct explosion hazard.
- **Reactivity in case of fire:** Product is not explosive.
- **Hazardous decomposition in case of fire:** Carbon oxides (CO, CO<sub>2</sub>).
- **5.3 Advice for firefighters**
- **Precautionary measures fire:** Keep container closed when not in use. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.
- **Firefighting instructions:** Do not enter fire area without proper protective equipment, including respiratory protection.
- **Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- **Other information:** High temperature decomposition products are harmful by inhalation. In case of fire, corrosive and harmful gases come free.

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#### SECTION 6: *Accidental release measures*

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **General measures:** Clean up any spills as soon as possible, using an absorbent material to collect it.
- **For non-emergency personnel**
- **Protective equipment:** Wear recommended personal protective equipment.
- **Emergency procedures** Evacuate area. Do not get in eyes, on skin, or on clothing. For further information refer to section 8 "Exposure controls/personal protection".
- **For emergency responders**
- **Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8 "Exposure controls/personal protection".
- **Emergency procedures:** Cover spill with non-combustible material, e.g.: sand/earth. Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.
- **6.2 Environmental precautions:** Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- **6.3 Methods and material for containment and cleaning up**
- **For containment:** Absorb spilled material with sand or earth. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.
- **Methods for cleaning up:** Take up liquid spill into absorbent material.
- **Other information:** Dispose of materials or solid residues at an authorised site.
- **6.4 Reference to other sections**
- For further information refer to section 13.

#### SECTION 7: *Handling and storage*

- **7.1 Precautions for safe handling**
- **Additional hazards when processed:** Not expected to present a significant hazard under anticipated conditions of normal use.
- **Precautions for safe handling:** Ensure good ventilation of the work station. Wear personal protective equipment.
- **Handling temperature:** 10 - 50°C.
- **Hygiene measures:** Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Technical measures:** Ensure adequate ventilation, especially in confined areas. Store in a well-ventilated place. Keep container tightly closed.
- **Storage conditions:** Store in a well-ventilated place. Keep cool.
- **Incompatible materials:** Direct sunlight.
- **Storage temperature:** 10 – 50°C.
- **Storage area:** Store in a well-ventilated place.
- **Special rules on packaging:** Store in a closed container.
- **Packaging materials:** Store always product in container of same material as original container.
- **7.3 Specific end uses:** This information is not available.

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

· **8.1 Control parameters**

<b>Proprietary (Methyl Ether)</b>	
<b>Germany – Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	310 mg/m <sup>3</sup>
Occupational exposure limit value (ppm)	50 ppm
Peak exposure limitation factor	1(l)
TRGS 900 Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); 11 – Summe aus Dampf und Aerosolen
TRGS 900 Regulatory reference	TRGS900
<b>United Kingdom – Occupational Exposure Limits</b>	
WEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
WEL TWA (ppm)	50 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are concerns that dermal absorption will lead to -

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	- systemic toxicity).
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

- **8.2 Exposure controls**
- **Appropriate engineering controls:** Ensure good ventilation of the work station.
- **Personal protective equipment:** Safety glasses. Wear recommended personal protective equipment, protective clothing, eye protection, face protection. Gloves.
- **Materials for protective clothing:** Wear suitable clothing and gloves.
- **Eye protection:** Safety glasses.
- **Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
- **Personal protective equipment symbol(s):**



- **Environmental exposure controls:** Avoid release to the environment.
- **Consumer exposure controls:** Good ventilation of the workplace required.
- **Other information:** Do not eat, drink or smoke when using this product.

### SECTION 9: *Physical and chemical properties*

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

- **General information**

- **Appearance:**

- **Form:** Liquid.
- **Colour:** Refer to product label.
- **Smell:** Odourless.
- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.

- **Flash point:** >100°C (ISO 2719 Proc. A).

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· <b>Inflammability (solid, gaseous)</b>	Not applicable.
· <b>Ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive.
· <b>Critical values for explosion:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Steam pressure at 20°C:</b>	Not determined.
· <b>Density:</b>	1 g/ml
· <b>Relative density:</b>	Not determined.
· <b>Vapour density:</b>	Not determined.
· <b>Evaporation rate:</b>	Not determined.
· <b>Solubility in/Miscibility with</b>	
· <b>Water:</b>	Not available.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity (25°C):</b>	
· <b>Dynamic:</b>	9 mm <sup>2</sup> /s
· <b>Kinematic:</b>	9 mm <sup>2</sup> /s
· <b>Solvent content:</b>	
· <b>VOC EU:</b>	No further relevant information available.
· <b>9.2 Other information:</b>	No further relevant information available.

#### SECTION 10: *Handling and storage*

- **10.1 Reactivity:** Product is non-reactive under normal conditions of use.
- **10.2 Chemical stability:** Stable under normal conditions.
- **10.3 Possibility of hazardous reactions:** Stable under recommended conditions.
- **10.4 Conditions to avoid:** Normal under recommended storage and handling conditions.
- **10.5 Incompatible materials:** No further information is available.
- **10.6 Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **Additional information:** -

**Trade name: iQprint® Wash**

**SECTION 11: Toxicological information**

- **11.1 Information on likely routes on exposure:** None known.
- **Acute toxicity (oral):** Not classified.
- **Acute toxicity (dermal):** Not classified.
- **Acute toxicity (inhalation):** Not classified.

**Proprietary (Bio solvent)**

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 11 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

**Proprietary (Methyl Ether)**

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 3000 mg/m <sup>3</sup> Source: ECHA

**Proprietary (Crosslinking agent)**

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rabbit	Toxicity (Oral) LD50 dermal rabbit



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<b>Proprietary (Triacrylate)</b>	
LD50 oral rat	> 2000 mg/kg literature
LD50 dermal rabbit	5170 mg/kg Source: RTECS

<b>Proprietary (Triacrylate)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

<b>Proprietary (Glycol Ether)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

<b>Proprietary (Triacrylate)</b>	
IARC group	2B – Possibly carcinogenic to humans

- **Reproductive toxicity:** Not classified.
- **STOT – single exposure:** Not classified.
- **STOT – repeated exposure:** Not classified.

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**Proprietary (Methyl Ether)**

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:KANPOGYO No.700, YAKUHATSU No. 1039.61, and KIKYKU No. 1014.
NOAEL (dermal, rat/rabbit, 90 days)	2850 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

**Proprietary (Crosslinking agent)**

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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**Proprietary (Triacrylate)**

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight Animal: rabbit, Remarks on results: not determinable

**Proprietary (Glycol Ether)**

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:
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- **Aspiration hazard:** Not classified.
- **Potential adverse human health effects and symptoms:** No data available.

**Trade name: iQprint® Wash**

**SECTION 12: Ecological information**

- **12.1 Ecotoxicity**
- **Ecology – general:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
- **Hazardous to the aquatic environment, short-term:** Not classified
- **Hazardous to the aquatic environment, long-term:** Not classified
- Not rapidly degradable.

**Proprietary (Bio solvent)**

LC50 fish 1	18-24 mg/L
EC50 daphnia 1	112-150 mg/L
EC50 72h algae 1	> 85 mg/L

**Proprietary (Methyl Ether)**

LC50 fish 1	> 1000 mg/l Test organisms (species): Poecilia reticulata
EC 50 other aquatic organisms 1	1930 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa
EC50 72h algae 1	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h algae 1	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

**Proprietary (Crosslinking agent)**

LC50 1	1.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 daphnia 1	70.7 mg/l Test organisms (species): Daphnia magna

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**Trade name: iQprint® Wash**

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EC50 72h algae 1	2.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
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**Proprietary (Triacrylate)**

LC50 fish 1	1.47 mg/l Test organisms (species): Leuciscus idus
EC50 96h algae 1	4.86 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

**Proprietary (Triacrylate)**

LC50 fish 1	5.74 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 daphnia 1	91.4 mg/l Test organisms (species): Daphnia magna
EC50 72h algae 1	12.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

**Proprietary (Glycol Ether)**

LC50 fish 1	> 1000 mg/l Test organisms (species): Poecilia reticulata
EC50 other aquatic organisms 1	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h algae 1	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h algae 1	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

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**Trade name: iQprint® Wash**

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LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

**12.2 Persistence and degradability**

**Proprietary (Bio solvent)**

Persistence and degradability	Material is ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability).
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**12.3 Bioaccumulative potential**

**Proprietary (Bio solvent)**

Bioaccumulative potential	This product does not contain any substances expected to be bioaccumulating.
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**Proprietary (Triacrylate)**

Partition coefficient n-octanol/water (Log Pow)	2.86 Source: QSAR
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**12.4 Mobility in soil**

**Proprietary (Bio solvent)**

Persistence and degradability	Insoluble in water
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**12.5 Results of PBT and vPvB assessment:** No additional information available.

Trade name: iQprint® Wash

### SECTION 13: *Disposal considerations*

- **13.1 Waste treatment methods:** Dispose of contents/container in accordance with licensed collector's sorting instructions.
- **Sewage disposal recommendations:** Disposal must be done according to official regulations.
- **Product/packaging disposal recommendations:** Avoid release to the environment. Comply with applicable regulations for solid waste disposal. Dispose in a safe manner in accordance with local/national regulations.
- **Additional information:** Clean up even minor leaks or spills if possible without unnecessary risk. Consult an expert on waste disposal or treatment.
- **Ecology – waste materials:** Avoid release to the environment.

### SECTION 14: *Transport information*

- |   |                                     |
|---|-------------------------------------|
| · <b>14.1 UN-Number</b>   |                                     |
| · <b>ADR, ADN, IMDG, IATA:</b>  | Void.                               |
| · <b>14.2 UN proper shipping name</b>   |                                     |
| · <b>ADR, ADN, IMDG, IATA:</b>  | Void.                               |
| · <b>14.3 Transport hazard class(es)</b>  |                                     |
| · <b>ADR, ADN, IMDG, IATA</b>   |                                     |
| · <b>Class:</b>   | Void.                               |
| · <b>14.4 Packing group</b>   |                                     |
| · <b>ADR, IMDG, IATA:</b>   | Void.                               |
| · <b>14.5 Environmental hazards</b>   |                                     |
| · <b>Marine pollutant:</b>  | Not classified as marine pollutant. |
| · <b>14.6 Special precautions for user:</b>                                       | Not applicable.                     |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | Not applicable.                     |
| · <b>Transport/Additional information:</b>  | -                                   |
| · <b>UN "Model Regulation":</b>   | Void                                |

**Trade name: iQprint® Wash**

#### SECTION 15: *Regulatory information*

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- REACH – Candidate List of Substances of Very High Concern for Authorisation (Article 59): Not applicable.
- **15.2 Chemical safety assessment:** None.

#### SECTION 16: *Other information*

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Reference:** Global Harmonized System of Classification and Labelling of Chemicals (GHS), rev. 8, 2019 (EC) No. 1272/2008, Annex VI to CLP, ATP14, 2020.

REACH – Dossier documents, ECHA.

PBT assessment list, ECHA.

IFA GESTIS – International limit values for chemical agents (occupational exposure limits, OELs).

TRGS 903 Biological Limit Values (BGW) Technical rule for hazardous substances.

- **Abbreviations and acronyms:**

*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*

*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)*

*VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*