

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 05.09.2023

Version number: 1.06

Revision: 03.08.2023

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

- **1.1 Product identifier** For Industrial and Professional use only.
- **Trade name:** 2K Etch Primer ST3000 LF-63 Chromate Free
- **Article number:** 3172
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Surface Coating
- **Application of the substance / the mixture** Surface Coating
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**  
HMG PAINTS LIMITED  
Riverside Works,  
Collyhurst Road,  
Collyhurst,  
Manchester,  
M40 7RU  
UNITED KINGDOM  
TEL: +44 (0)161 205 7631  
EMAIL: sales@hmgpaint.com
- **Further information obtainable from:** sales@hmgpaint.com
- **1.4 Emergency telephone number:** +44 (0)161 205 7631 (business hours)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

|                   |           |  |
|-------------------|-----------|--|
| Flam. Liq. 2      | H225      | Highly flammable liquid and vapour.                                  |
| Skin Irrit. 2     | H315      | Causes skin irritation.  |
| Eye Dam. 1        | H318      | Causes serious eye damage.   |
| Skin Sens. 1      | H317      | May cause an allergic skin reaction.                                 |
| STOT SE 3         | H335-H336 | May cause respiratory irritation. May cause drowsiness or dizziness. |
| Aquatic Chronic 2 | H411      | Toxic to aquatic life with long lasting effects.                     |

· **2.2 Label elements**

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



GHS02 GHS05 GHS07 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
isobutanol  
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight > 700)
- **Hazard statements**  
H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.

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H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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 Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

|   |   |           |
|---|---|-----------|
| CAS: 78-83-1<br>EINECS: 201-148-0<br>Reg.nr.: 01-2119484609-23-XXXX   | isobutanol<br>⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336   | >25-≤50%  |
| CAS: 78-93-3<br>EINECS: 201-159-0<br>Reg.nr.: 01-2119457290-43        | methyl ethyl ketone<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336  | >10-≤25%  |
| CAS: 68648-78-2<br>EC number: 614-691-7                               | Polyvinyl Butyral<br>substance with a Community workplace exposure limit  | >2.5-≤10% |
| CAS: 1330-20-7<br>EINECS: 215-535-7<br>Reg.nr.: 01-2119488216-32-xxxx | Xylene (mix)<br>⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 | >2.5-≤10% |
| CAS: 25036-25-3<br>EC number: 607-500-3                               | Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight > 700)<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317                                   | >2.5-≤10% |
| CAS: 68002-21-1   | Melamine formaldehyde polymer isobutylated<br>Aquatic Chronic 4, H413   | >1-≤2.5%  |
| CAS: 7779-90-0<br>EINECS: 231-944-3<br>Reg.nr.: 01-2119485044-40-0000 | trizinc bis(orthophosphate)<br>⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410   | >1-≤2.5%  |
| CAS: 1330-20-7<br>EINECS: 215-535-7<br>Reg.nr.: 01-2119488216-32-XXXX | Xylene<br>⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315   | >1-≤2.5%  |
| CAS: 100-41-4<br>EINECS: 202-849-4<br>Reg.nr.: 01-2119489370-35       | ethylbenzene<br>⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332  | >1-≤2.5%  |

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CAS: 1314-13-2

EINECS: 215-222-5

Reg.nr.: 01-2119463881-32-xxxx

zinc oxide

 Aquatic Acute 1, H400; Aquatic Chronic 1, H410

&gt;1-≤2,5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air and call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.  
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Do not induce vomiting; call for medical help immediately and show safety datasheet or label.
- **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** Treat symptomatically.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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.

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### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Keep receptacles tightly sealed.

Ensure good ventilation/extraction at the workplace.

Prevent formation of aerosols.

Hygiene measures:

Wash hands before breaks and at the end of workday.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed and in a well-ventilated place.

Keep away from heat.

Store in cool, dry conditions in well sealed receptacles.

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

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

· **Ingredients with limit values that require monitoring at the workplace:**

**78-83-1 isobutanol**

WEL Short-term value: 231 mg/m<sup>3</sup>, 75 ppm

Long-term value: 154 mg/m<sup>3</sup>, 50 ppm

**78-93-3 methyl ethyl ketone**

WEL Short-term value: 899 mg/m<sup>3</sup>, 300 ppm

Long-term value: 600 mg/m<sup>3</sup>, 200 ppm

Sk, BMGV

**68648-78-2 Polyvinyl Butyral**

TWA Long-term value: 4 mg/m<sup>3</sup>

**1330-20-7 Xylene (mix)**

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm

Long-term value: 220 mg/m<sup>3</sup>, 50 ppm

Sk; BMGV

**100-41-4 ethylbenzene**

WEL Short-term value: 552 mg/m<sup>3</sup>, 125 ppm

Long-term value: 441 mg/m<sup>3</sup>, 100 ppm

Sk

· **DNELs**

**78-83-1 isobutanol**

Oral DNEL 25 mg/day (Con)

Inhalative DNEL 55 mg/m<sup>3</sup> (Con)

310 mg/m<sup>3</sup> (Ind)

**78-93-3 methyl ethyl ketone**

Oral DNEL 31 mg/day (Con)

Dermal DNEL 412 mg/day (Con)

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|  |      |  |
|--|------|--|
| Inhalative                                   | DNEL | 1,161 mg/day (Ind)<br>106 mg/m <sup>3</sup> (Con)<br>600 mg/m <sup>3</sup> (Ind) |
| <b>1330-20-7 Xylene (mix)</b>                |      |  |
| Dermal                                       | DNEL | 108 mg/day (Con)<br>180 mg/day (Ind)   |
| Inhalative                                   | DNEL | 14.8 mg/m <sup>3</sup> (Con)<br>77 mg/m <sup>3</sup> (Ind)                       |
| <b>7779-90-0 trizinc bis(orthophosphate)</b> |      |  |
| Oral   | DNEL | 0.83 mg/day (Con)  |
| Dermal                                       | DNEL | 83 mg/day (Con)<br>83 mg/day (Ind)   |
| Inhalative                                   | DNEL | 2.5 mg/m <sup>3</sup> (Con)<br>5 mg/m <sup>3</sup> (Ind)                         |
| <b>1314-13-2 zinc oxide</b>                  |      |  |
| Oral   | DNEL | 0.83 mg/day (Con)  |
| Dermal                                       | DNEL | 83 mg/day (Con)<br>83 mg/day (Ind)   |
| Inhalative                                   | DNEL | 2.5 mg/m <sup>3</sup> (Con)<br>5 mg/m <sup>3</sup> (Ind)                         |

· **PNECs**

CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

· **Ingredients with biological limit values:****78-93-3 methyl ethyl ketone**

BMGV 70 µmol/L  
Medium: urine  
Sampling time: post shift  
Parameter: butan-2-one

**1330-20-7 Xylene (mix)**

BMGV 650 mmol/mol creatinine  
Medium: urine  
Sampling time: post shift  
Parameter: methyl hippuric acid

· **Additional information:** The lists valid during the making were used as basis.· **8.2 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.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

· **Respiratory protection:** When spraying the product, use a respiratory protective device.

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· **Protection of hands:**

Protective gloves

· **Eye protection:**

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

|                         |                 |
|-------------------------|-----------------|
| <b>Form:</b>            | Liquid          |
| <b>Colour:</b>          | Yellow          |
| <b>Odour:</b>           | Characteristic  |
| <b>Odour threshold:</b> | Not determined. |

· **pH-value:** Not determined.· **Change in condition**

|   |               |
|---|---------------|
| <b>Melting point/freezing point:</b>            | Undetermined. |
| <b>Initial boiling point and boiling range:</b> | 79 °C         |

· **Flash point:** -6 °C· **Flammability (solid, gas):** Highly flammable.· **Ignition temperature:** >380 °C· **Decomposition temperature:** Not determined.· **Auto-ignition temperature:** Product is not selfigniting.· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:**

|               |          |
|---------------|----------|
| <b>Lower:</b> | 1 Vol %  |
| <b>Upper:</b> | 12 Vol % |

· **Vapour pressure at 20 °C:** 100 hPa· **Density at 20 °C:** 0.924 g/cm<sup>3</sup>· **Relative density** Not determined.· **Vapour density** Not determined.· **Evaporation rate** Not determined.· **Solubility in / Miscibility with water:**

NOT MISCIBLE

· **Partition coefficient: n-octanol/water:** Not determined.· **Viscosity:**

|                          |                 |
|--------------------------|-----------------|
| <b>Dynamic at 20 °C:</b> | 190 mPas        |
| <b>Kinematic:</b>        | Not determined. |

· **Solvent content:**

|                          |        |
|--------------------------|--------|
| <b>Organic solvents:</b> | 71.2 % |
| <b>Water:</b>            | 0.2 %  |

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|                        |        |
|------------------------|--------|
| <b>Solids content:</b> | 28.6 % |
|------------------------|--------|

|                                |  |
|--------------------------------|--|
| <b>· 9.2 Other information</b> | No further relevant information available. |
|--------------------------------|--|

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
No dangerous decomposition products when stored and handled correctly

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

#### 78-83-1 isobutanol

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | >2,000 mg/kg (Rat) |
| Dermal | LD50 | >2,000 mg/kg (Rab) |

#### 78-93-3 methyl ethyl ketone

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | 2,193 mg/kg (Rat)  |
| Dermal | LD50 | >5,000 mg/kg (Rab) |

#### 1330-20-7 Xylene (mix)

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 5,000 mg/kg (Rat) |
| Dermal     | LD50     | 2,000 mg/kg (rbt) |
| Inhalative | LC50/4 h | 11 mg/l (Rat)     |

#### 25036-25-3 Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight > 700)

|      |      |                     |
|------|------|---------------------|
| Oral | LD50 | >10,000 mg/kg (Rat) |
|------|------|---------------------|

#### 7779-90-0 trizinc bis(orthophosphate)

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | >5,000 mg/kg (rat) |
| Dermal     | LD50     | >2,000 mg/kg (rat) |
| Inhalative | LC50/4 h | >5.7 mg/l (Rat)    |

#### 1330-20-7 Xylene

|        |      |                   |
|--------|------|-------------------|
| Oral   | LD50 | 4,300 mg/kg (Rat) |
| Dermal | LD50 | 2,000 mg/kg (Rab) |

#### 100-41-4 ethylbenzene

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | 3,500 mg/kg (rat)  |
| Dermal | LD50 | 17,800 mg/kg (rbt) |

#### 1314-13-2 zinc oxide

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | >5,000 mg/kg (Rat) |
| Inhalative | LC50/4 h | >5.7 mg/l (Rat)    |

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.

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- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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

### SECTION 14: Transport information

- |                                       |  |
|---------------------------------------|--|
| · <b>14.1 UN-Number</b>               |  |
| · <b>ADR, IMDG, IATA</b>              | UN1263   |
| · <b>14.2 UN proper shipping name</b> |  |
| · <b>ADR</b>                          | 1263 PAINT RELATED MATERIAL (vapour pressure at 50°C not more than 110 kPa), ENVIRONMENTALLY HAZARDOUS |
| · <b>IMDG</b>                         | PAINT RELATED MATERIAL, MARINE POLLUTANT   |

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|   |  |
|---|--|
| · IATA  | PAINT RELATED MATERIAL   |
| · 14.3 Transport hazard class(es)   |  |
| · ADR, IMDG   |  |
|   |  |
| · Class   | 3 Flammable liquids.   |
| · Label   | 3  |
| · IATA  |  |
|    |  |
| · Class   | 3 Flammable liquids.   |
| · Label   | 3  |
| · 14.4 Packing group  |  |
| · ADR, IMDG, IATA   | II   |
| · 14.5 Environmental hazards:   |  |
| · Marine pollutant:   | Symbol (fish and tree)   |
| · Special marking (ADR):  | Symbol (fish and tree)   |
| · 14.6 Special precautions for user   | Warning: Flammable liquids.  |
| · Hazard identification number (Kemler code):   | 33   |
| · EMS Number:   | F-E,S-E  |
| · Stowage Category  | B  |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code   | Not applicable.  |
| · Transport/Additional information:   |  |
| · ADR   |  |
| · Limited quantities (LQ)   | 5L   |
| · Excepted quantities (EQ)  | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml  |
| · Transport category  | 2  |
| · Tunnel restriction code   | D/E  |
| · IMDG  |  |
| · Limited quantities (LQ)   | 1L   |
| · Excepted quantities (EQ)  | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml  |
| · UN "Model Regulation":  | UN 1263 PAINT RELATED MATERIAL (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II, ENVIRONMENTALLY HAZARDOUS |

### 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.

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- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations:**
- **Technical instructions (air):**

| Class  | Share in % |
|--------|------------|
| Wasser | 0.2        |
| NK     | 71.2       |

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **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.*

- **Full text of H-Statements referred to under sections 2 and 3:**  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
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.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.
- **Department issuing SDS:** Product safety department: LABORATORY
- **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 (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK 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 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  
Skin Sens. 1: Skin sensitisation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1

(Contd. on page 11)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

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**Trade name: 2K Etch Primer ST3000 LF-63 Chromate Free**

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*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

*Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*

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

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