



# SAFETY DATA SHEET

## ROCKGRIP LC ETCH PRIMER

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

#### 1.1. Product identifier

**Product name** :  ROCKGRIP LC ETCH PRIMER

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

**Product use** : Product for surface preparation of buildings surfaces. Use in accordance with directions on the product label.

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

Akzonobel South Africa (PTY) LTD  
NO. 1 PAINTS PLACE  
DICKENS ROAD  
UMBOGINTWINI  
4126SOUTH AFRICA

**Telephone number** : Customer Care 0860 330 111 (Available week days from 08:00 to 16:30).  
Emergency details: after hours: refer to website for MSDS.

**e-mail address of person responsible for this SDS** : ZA.Helpline@akzonobel.com

#### 1.4 Emergency telephone number

**Version** : 8.01

**Date of previous issue** : 26-8-2020

**ROCKGRIP LC ETCH PRIMER****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Product definition** : Mixture**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Flam. Liq. 2, H225

Acute Tox. 4, H302

Skin Irrit. 2, H315

Eye Dam. 1, H318

STOT SE 3, H335

STOT SE 3, H336

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** : 0%**Ingredients of unknown ecotoxicity** : 0%

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements****Hazard pictograms** :**Signal word** : Danger

**Hazard statements** :

H225 - Highly flammable liquid and vapour.  
 H302 - Harmful if swallowed.  
 H318 - Causes serious eye damage.  
 H315 - Causes skin irritation.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.

**Precautionary statements**

**General** : P102 - Keep out of reach of children.  
 P101 - If medical advice is needed, have product container or label at hand.

**Prevention** : P280 - Wear eye or face protection.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 - Keep container tightly closed.

**Response** : P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305 + P310 - IF IN EYES: Immediately call a POISON CENTER or doctor.  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage** : P235 - Keep cool.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations.

**Hazardous ingredients** : butan-1-ol  
 propan-1-ol  
 2-methylpropan-1-ol

**Supplemental label elements** : Contains Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Special packaging requirements**

**ROCKGRIP LC ETCH PRIMER****SECTION 2: Hazards identification**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Yes, applicable.

**2.3 Other hazards**

**Other hazards which do not result in classification** : None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures** : Mixture

| Product/ingredient name | Identifiers  | %         | Regulation (EC) No. 1272/2008 [CLP]   | Type    |
|-------------------------|--|-----------|---|---------|
| butan-1-ol              | EC: 200-751-6<br>CAS: 71-36-3<br>Index:<br>603-004-00-6                                  | ≥20 - ≤25 | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>STOT SE 3, H336                     | [1]     |
| propan-1-ol             | EC: 200-746-9<br>CAS: 71-23-8<br>Index:<br>603-003-00-0                                  | ≥10 - ≤20 | Flam. Liq. 2, H225<br>Eye Dam. 1, H318<br>STOT SE 3, H336   | [1]     |
| pentan-2-ol             | EC: 227-907-6<br>CAS: 6032-29-7<br>Index:<br>603-006-00-7                                | ≤10       | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>EUH066   | [1]     |
| butan-2-ol              | EC: 201-158-5<br>CAS: 78-92-2<br>Index:<br>603-127-00-5                                  | ≤10       | Flam. Liq. 3, H226<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT SE 3, H336  | [1]     |
| 2-methylpropan-1-ol     | EC: 201-148-0<br>CAS: 78-83-1<br>Index:<br>603-108-00-1                                  | ≤5        | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>STOT SE 3, H336   | [1]     |
| 1-methoxy-2-propanol    | REACH #:<br>01-2119457435-35<br>EC: 203-539-1<br>CAS: 107-98-2<br>Index:<br>603-064-00-3 | ≤5        | Flam. Liq. 3, H226<br>STOT SE 3, H336   | [1] [2] |
| 3-methylbutan-2-ol      | EC: 209-950-2<br>CAS: 598-75-4<br>Index:<br>603-006-00-7                                 | ≤3        | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>EUH066   | [1]     |
| 3-pentanol              | EC: 209-526-7<br>CAS: 584-02-1   | <1        | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>EUH066   | [1]     |
| ethyl acetate           | EC: 205-500-4<br>CAS: 141-78-6   | ≤0,3      | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   | [1] [2] |
| phenol                  | EC: 203-632-7<br>CAS: 108-95-2<br>Index:<br>604-001-00-2                                 | ≤0,3      | Acute Tox. 3, H301<br>Acute Tox. 3, H311<br>Acute Tox. 3, H331<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Muta. 2, H341<br>STOT RE 2, H373 | [1] [2] |
|                         |  |           |   | [1]     |

**ROCKGRIP LC ETCH PRIMER****SECTION 3: Composition/information on ingredients**

|  |   |       |  |     |
|--|---|-------|--|-----|
| Solvent naphtha (petroleum), light arom.       | REACH #: 01-2119455851-35<br>EC: 265-199-0<br>CAS: 64742-95-6<br>Index: self classified | ≤0,26 | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066                                   | [1] |
| Fatty acids, tall-oil, compds. with oleylamine | REACH #: 01-2119474148-28<br>EC: 288-315-1<br>CAS: 85711-55-3                           | <0,1  | Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>STOT RE 2, H373 (oral)<br><br><b>See Section 16 for the full text of the H statements declared above.</b> |     |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard  
 [2] Substance with a workplace exposure limit  
 [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII  
 [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII  
 [5] Substance of equivalent concern  
 [6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

**ROCKGRIP LC ETCH PRIMER****SECTION 4: First aid measures**

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

See toxicological information (Section 11)

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.

**Unsuitable extinguishing media** : Do not use water jet.

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

**Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**Hazardous combustion products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**5.3 Advice for firefighters**

**Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions**

: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

**6.3 Methods and material for containment and cleaning up**

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

**6.4 Reference to other sections**

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**ROCKGRIP LC ETCH PRIMER****SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**7.1 Precautions for safe handling**

- : Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
- Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.
- Operators should wear antistatic footwear and clothing and floors should be of the conducting type.
- Keep away from heat, sparks and flame. No sparking tools should be used.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Put on appropriate personal protective equipment (see Section 8).
- Never use pressure to empty. Container is not a pressure vessel.
- Always keep in containers made from the same material as the original one.
- Comply with the health and safety at work laws.
- Do not allow to enter drains or watercourses.
- Information on fire and explosion protection**
- Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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

Store in accordance with local regulations.

**Notes on joint storage**

Keep away from: oxidising agents, strong alkalis, strong acids.

**Additional information on storage conditions**

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.

Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**7.3 Specific end use(s)**

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

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

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

**8.1 Control parameters****Occupational exposure limits**

| Product/ingredient name | Exposure limit values   |
|-------------------------|---|
| 1-methoxy-2-propanol    | <b>EU OEL (Europe, 2/2017). Absorbed through skin. Notes: list of indicative occupational exposure limit values</b><br>TWA: 100 ppm 8 hours.<br>TWA: 375 mg/m <sup>3</sup> 8 hours.<br>STEL: 150 ppm 15 minutes.<br>STEL: 568 mg/m <sup>3</sup> 15 minutes. |
| ethyl acetate           | <b>EU OEL (Europe, 2/2017). Notes: list of indicative occupational exposure limit values</b><br>STEL: 400 ppm 15 minutes.<br>STEL: 1468 mg/m <sup>3</sup> 15 minutes.<br>TWA: 200 ppm 8 hours.<br>TWA: 734 mg/m <sup>3</sup> 8 hours.                       |

**ROCKGRIP LC ETCH PRIMER****SECTION 8: Exposure controls/personal protection**

phenol

**EU OEL (Europe, 2/2017). Absorbed through skin. Notes: list of indicative occupational exposure limit values**

TWA: 2 ppm 8 hours.

TWA: 8 mg/m<sup>3</sup> 8 hours.STEL: 16 mg/m<sup>3</sup> 15 minutes.

STEL: 4 ppm 15 minutes.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available

**8.2 Exposure controls**

**Appropriate engineering controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.

**Skin protection****Hand protection****Gloves**

: When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm.  
When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness ≥ 0.12 mm.  
Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

**Body protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



**ROCKGRIP LC ETCH PRIMER****SECTION 8: Exposure controls/personal protection**

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

**OLD LEAD-BASED PAINTS:**

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 til concentrations of 0,5 Vol%.)

The current Control of Lead at Work Regulations approved code of practice should be consulted for advice on protective clothing and personal hygiene precautions. Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste.

Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

**Environmental exposure controls** : Do not allow to enter drains or watercourses.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

|  |                       |
|--|-----------------------|
| <b>Physical state</b>                          | : Liquid.             |
| <b>Colour</b>                                  | : Various: See label. |
| <b>Odour</b>                                   | : Not available.      |
| <b>Odour threshold</b>                         | : Not available.      |
| <b>pH</b>                                      | : Not available.      |
| <b>Melting point/freezing point</b>            | : Not available.      |
| <b>Initial boiling point and boiling range</b> | : 78°C                |
| <b>Flash point</b>                             | : Closed cup: 12°C    |
| <b>Evaporation rate</b>                        | : Not available.      |



**ROCKGRIP LC ETCH PRIMER****SECTION 9: Physical and chemical properties**

|   |   |
|---|---|
| <b>Upper/lower flammability or explosive limits</b> | : Not available.  |
| <b>Vapour pressure</b>                              | : Not available.  |
| <b>Vapour density</b>                               | : Not available.  |
| <b>Relative density</b>                             | : 0,966   |
| <b>Solubility(ies)</b>                              | : Insoluble in the following materials: cold water.     |
| <b>Partition coefficient: n-octanol/ water</b>      | : Not available.  |
| <b>Auto-ignition temperature</b>                    | : Not available.  |
| <b>Decomposition temperature</b>                    | : Not available.  |
| <b>Viscosity</b>                                    | : Kinematic (room temperature): 3,32 cm <sup>2</sup> /s |
| <b>Explosive properties</b>                         | : Not available.  |
| <b>Oxidising properties</b>                         | : Not available.  |
| <b>9.2. Other information</b>                       |   |
| <b>Solubility in water</b>                          | : Not available.  |

**SECTION 10: Stability and reactivity**

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.                                     |
| <b>10.2 Chemical stability</b>                 | : Stable under recommended storage and handling conditions (see Section 7).  |
| <b>10.3 Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| <b>10.4 Conditions to avoid</b>                | : When exposed to high temperatures may produce hazardous decomposition products.  |
| <b>10.5 Incompatible materials</b>             | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
| <b>10.6 Hazardous decomposition products</b>   | : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.        |

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

**Acute toxicity**

## ROCKGRIP LC ETCH PRIMER

## SECTION 11: Toxicological information

| Product/ingredient name | Result                            | Species                      | Dose                    | Exposure |
|-------------------------|-----------------------------------|------------------------------|-------------------------|----------|
| butan-1-ol              | LD50 Dermal                       | Rabbit                       | 3400 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Mouse                        | 254 mg/kg               | -        |
|                         | LD50 Intraperitoneal              | Rat                          | 200 mg/kg               | -        |
|                         | LD50 Intravenous                  | Mouse                        | 377 mg/kg               | -        |
|                         | LD50 Intravenous                  | Rat                          | 310 mg/kg               | -        |
|                         | LD50 Oral                         | Bird - wild bird species     | 2500 mg/kg              | -        |
|                         | LD50 Oral                         | Dog                          | 1782 mg/kg              | -        |
|                         | LD50 Oral                         | Hamster                      | 1,2 g/kg                | -        |
|                         | LD50 Oral                         | Mouse                        | 100 mg/kg               | -        |
|                         | LD50 Oral                         | Rabbit                       | 3484 mg/kg              | -        |
|                         | LD50 Oral                         | Rabbit                       | 3400 mg/kg              | -        |
|                         | LD50 Oral                         | Rat                          | 0,79 g/kg               | -        |
|                         | LD50 Oral                         | Rat                          | 4,36 g/kg               | -        |
|                         | LD50 Oral                         | Rat                          | 790 mg/kg               | -        |
|                         | LD50 Subcutaneous                 | Mouse                        | 3200 mg/kg              | -        |
|                         | LDLo Dermal                       | Rabbit                       | 5 mL/kg                 | -        |
|                         | LDLo Intravenous                  | Cat                          | 243 mg/kg               | -        |
|                         | LDLo Oral                         | Dog                          | 1760 mg/kg              | -        |
|                         | LDLo Oral                         | Human                        | 428 mg/kg               | -        |
|                         | LDLo Route of exposure unreported | Rabbit                       | 3500 mg/kg              | -        |
|                         | LDLo Subcutaneous                 | Dog                          | 2 g/kg                  | -        |
|                         | TDLo Eyes                         | Human                        | 72,5 mg/m <sup>3</sup>  | -        |
|                         | TDLo Intraperitoneal              | Rat                          | 400 mg/kg               | -        |
|                         | TDLo Oral                         | Rabbit                       | 0,8 g/kg                | -        |
| propan-1-ol             | LD50 Dermal                       | Rabbit                       | 5040 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Guinea pig                   | 1208 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Hamster                      | 2338 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Mouse                        | 3125 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Rabbit                       | 515 mg/kg               | -        |
|                         | LD50 Intraperitoneal              | Rat                          | 2164 mg/kg              | -        |
|                         | LD50 Intravenous                  | Mouse                        | 697 mg/kg               | -        |
|                         | LD50 Intravenous                  | Rabbit                       | 483 mg/kg               | -        |
|                         | LD50 Intravenous                  | Rat                          | 590 mg/kg               | -        |
|                         | LD50 Oral                         | Mouse                        | 6800 mg/kg              | -        |
|                         | LD50 Oral                         | Rabbit                       | 2825 mg/kg              | -        |
|                         | LD50 Oral                         | Rat                          | 1870 mg/kg              | -        |
|                         | LD50 Oral                         | Rat                          | 2200 mg/kg              | -        |
|                         | LD50 Subcutaneous                 | Mouse                        | 4700 mg/kg              | -        |
|                         | LDLo Intravenous                  | Cat                          | 4008 mg/kg              | -        |
|                         | LDLo Oral                         | Dog                          | 3 g/kg                  | -        |
|                         | LDLo Oral                         | Mouse                        | 140 mg/kg               | -        |
|                         | LDLo Oral                         | Rabbit                       | 3500 mg/kg              | -        |
|                         | LDLo Oral                         | Woman - Female               | 5700 mg/kg              | -        |
|                         | LDLo Route of exposure unreported | Rabbit                       | 4500 mg/kg              | -        |
|                         | LDLo Subcutaneous                 | Dog                          | 4 g/kg                  | -        |
|                         | LDLo Subcutaneous                 | Mammal - species unspecified | 5 g/kg                  | -        |
|                         | LDLo Subcutaneous                 | Rabbit                       | 3 g/kg                  | -        |
| butan-2-ol              | LC50 Inhalation Gas.              | Rat                          | 8000 ppm                | 4 hours  |
|                         | LC50 Inhalation Vapour            | Rat                          | 48500 mg/m <sup>3</sup> | 4 hours  |
|                         | LD50 Intraperitoneal              | Guinea pig                   | 1067 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Hamster                      | 1218 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Mouse                        | 771 mg/kg               | -        |
|                         | LD50 Intraperitoneal              | Rabbit                       | 277 mg/kg               | -        |
|                         | LD50 Intraperitoneal              | Rat                          | 1193 mg/kg              | -        |
|                         | LD50 Intravenous                  | Mouse                        | 764 mg/kg               | -        |
|                         | LD50 Intravenous                  | Rat                          | 138 mg/kg               | -        |
|                         | LD50 Oral                         | Rabbit                       | 4893 mg/kg              | -        |

## ROCKGRIP LC ETCH PRIMER

## SECTION 11: Toxicological information

|                     |                      |            |                        |   |
|---------------------|----------------------|------------|------------------------|---|
| 2-methylpropan-1-ol | LD50 Oral            | Rabbit     | 4890 mg/kg             | - |
|                     | LD50 Oral            | Rat        | 2193 mg/kg             | - |
|                     | LD50 Oral            | Rat        | 2054 mg/kg             | - |
|                     | LDLo Oral            | Dog        | 2400 mg/kg             | - |
|                     | LDLo Oral            | Rabbit     | 3000 mg/kg             | - |
|                     | LDLo Parenteral      | Frog       | 15 g/kg                | - |
|                     | LD50 Dermal          | Rabbit     | 3400 mg/kg             | - |
|                     | LD50 Intraperitoneal | Guinea pig | 1201 mg/kg             | - |
|                     | LD50 Intraperitoneal | Hamster    | 1401 mg/kg             | - |
|                     | LD50 Intraperitoneal | Mouse      | 544 mg/kg              | - |
|                     | LD50 Intraperitoneal | Mouse      | 544 mg/kg              | - |
|                     | LD50 Intraperitoneal | Rabbit     | 323 mg/kg              | - |
|                     | LD50 Intraperitoneal | Rat        | 720 mg/kg              | - |
|                     | LD50 Intravenous     | Mouse      | 417 mg/kg              | - |
|                     | LD50 Intravenous     | Rat        | 340 mg/kg              | - |
|                     | LD50 Oral            | Mouse      | 3500 mg/kg             | - |
|                     | LD50 Oral            | Rabbit     | 74,1 mg/kg             | - |
|                     | LD50 Oral            | Rat        | 2460 mg/kg             | - |
|                     | LDLo Intravenous     | Cat        | 180 mg/kg              | - |
|                     | LDLo Oral            | Human      | 428 mg/kg              | - |
| ethyl acetate       | LDLo Oral            | Rabbit     | 3750 mg/kg             | - |
|                     | LDLo Oral            | Rabbit     | 3750 mg/kg             | - |
|                     | TDLo Eyes            | Human      | 72,5 mg/m <sup>3</sup> | - |
|                     | LD50 Intraperitoneal | Mouse      | 709 mg/kg              | - |
|                     | LD50 Oral            | Guinea pig | 5,5 g/kg               | - |
|                     | LD50 Oral            | Guinea pig | 5500 mg/kg             | - |
|                     | LD50 Oral            | Mouse      | 4,1 g/kg               | - |
|                     | LD50 Oral            | Mouse      | 4100 mg/kg             | - |
|                     | LD50 Oral            | Rabbit     | 4935 mg/kg             | - |
|                     | LD50 Oral            | Rat        | 5620 mg/kg             | - |
|                     | LD50 Subcutaneous    | Cat        | 3 g/kg                 | - |
|                     | LD50 Subcutaneous    | Guinea pig | 3 g/kg                 | - |
|                     | LDLo Subcutaneous    | Rat        | 5 g/kg                 | - |

**Conclusion/Summary** : Not available.

**Acute toxicity estimates**

| Route                | ATE value      |
|----------------------|----------------|
| Oral                 | 1877 mg/kg     |
| Dermal               | 140986,3 mg/kg |
| Inhalation (vapours) | 115,1 mg/l     |

**Irritation/Corrosion**

| Product/ingredient name | Result                   | Species | Score | Exposure               | Observation |
|-------------------------|--------------------------|---------|-------|------------------------|-------------|
| butan-1-ol              | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 2 milligrams  | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 0.005 Milliliters      | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 1.62 milligrams        | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams | -           |
| propan-1-ol             | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams | -           |
|                         | Skin - Mild irritant     | Human   | -     | 47 hours 100 Percent   | -           |
|                         | Skin - Mild irritant     | Human   | -     | 24 hours 100 Percent   | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 milligrams         | -           |
| pentan-2-ol             | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams | -           |

**ROCKGRIP LC ETCH PRIMER****SECTION 11: Toxicological information**

|  |                          |        |   |                             |   |
|--|--------------------------|--------|---|-----------------------------|---|
| butan-2-ol                               | Eyes - Severe irritant   | Rabbit | - | 0.1 Milliliters             | - |
| 1-methoxy-2-propanol                     | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams     | - |
|  | Skin - Mild irritant     | Rabbit | - | 500 milligrams              | - |
| 3-pentanol                               | Eyes - Moderate irritant | Rabbit | - | 24 hours 20 milligrams      | - |
|  | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams     | - |
| phenol                                   | Eyes - Mild irritant     | Rabbit | - | 0,5 minutes 5 milligrams    | - |
|  | Eyes - Severe irritant   | Rabbit | - | 5 milligrams                | - |
|  | Skin - Severe irritant   | Pig    | - | 0,5 minutes 400 microliters | - |
|  | Skin - Mild irritant     | Rabbit | - | 100 milligrams              | - |
|  | Skin - Severe irritant   | Rabbit | - | 535 milligrams              | - |
| Solvent naphtha (petroleum), light arom. | Eyes - Mild irritant     | Rabbit | - | 24 hours 100 microliters    | - |

**Conclusion/Summary** : Not available.

**Sensitisation**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Specific target organ toxicity (single exposure)**

| Product/ingredient name                  | Category   | Route of exposure | Target organs                                     |
|--|------------|-------------------|---|
| butan-1-ol                               | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |
| propan-1-ol                              | Category 3 | Not applicable.   | Narcotic effects                                  |
| pentan-2-ol                              | Category 3 | Not applicable.   | Respiratory tract irritation                      |
| butan-2-ol                               | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |
| 2-methylpropan-1-ol                      | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |
| 1-methoxy-2-propanol                     | Category 3 | Not applicable.   | Narcotic effects                                  |
| 3-methylbutan-2-ol                       | Category 3 | Not applicable.   | Respiratory tract irritation                      |
| 3-pentanol                               | Category 3 | Not applicable.   | Respiratory tract irritation                      |
| ethyl acetate                            | Category 3 | Not applicable.   | Narcotic effects                                  |
| Solvent naphtha (petroleum), light arom. | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |

**Specific target organ toxicity (repeated exposure)**

**ROCKGRIP LC ETCH PRIMER****SECTION 11: Toxicological information**

| Product/ingredient name                        | Category   | Route of exposure | Target organs  |
|--|------------|-------------------|----------------|
| phenol   | Category 2 | Not determined    | Not determined |
| Fatty acids, tall-oil, compds. with oleylamine | Category 2 | Oral              | Not determined |

**Aspiration hazard**

| Product/ingredient name                  | Result                         |
|--|--------------------------------|
| Solvent naphtha (petroleum), light arom. | ASPIRATION HAZARD - Category 1 |

**Other information** : Not available.

**SECTION 12: Ecological information****12.1 Toxicity**

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment, but contains substance(s) hazardous to the environment. See section 3 for details.

| Product/ingredient name | Result   | Species   | Exposure   |
|-------------------------|--|---|--|
| butan-1-ol              | Acute EC50 1983000 µg/l Fresh water<br>Acute LC50 2300000 µg/l Marine water<br>Acute LC50 1910000 µg/l Fresh water   | Daphnia - Daphnia magna<br>Fish - Alburnus alburnus<br>Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)   | 48 hours<br>96 hours<br>96 hours   |
| propan-1-ol             | Acute LC50 1940000 µg/l Fresh water<br><br>Acute LC50 1730000 µg/l Fresh water<br>Acute EC50 4480000 µg/l Fresh water<br>Acute EC50 3644000 µg/l Fresh water<br>Acute EC50 4620000 µg/l Fresh water  | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)<br>Fish - Pimephales promelas<br>Algae - Selenastrum sp.<br>Daphnia - Daphnia magna<br>Daphnia - Daphnia magna - Neonate   | 96 hours<br>96 hours<br>96 hours<br>48 hours<br>48 hours   |
| butan-2-ol              | Acute LC50 2500000 µg/l Fresh water<br>Acute LC50 1000000 µg/l Fresh water<br>Acute LC50 5820000 µg/l Fresh water<br>Acute LC50 3100000 µg/l Fresh water<br>Acute LC50 2950000 µg/l Fresh water<br>Acute LC50 3800000 µg/l Marine water<br>Acute LC50 4630000 µg/l Fresh water<br>Acute LC50 4480000 µg/l Fresh water<br>Acute EC50 4227000 µg/l Fresh water<br>Acute LC50 3670000 µg/l Fresh water<br>Acute EC50 1200000 µg/l Fresh water | Crustaceans - Asellus aquaticus<br>Crustaceans - Gammarus pulex<br>Daphnia - Daphnia cucullata<br>Daphnia - Daphnia pulex<br>Daphnia - Daphnia pulex<br>Fish - Alburnus alburnus<br>Fish - Pimephales promelas<br>Fish - Pimephales promelas<br>Daphnia - Daphnia magna<br>Fish - Pimephales promelas<br>Crustaceans - Ceriodaphnia reticulata - Larvae | 48 hours<br>48 hours<br>48 hours<br>48 hours<br>48 hours<br>96 hours<br>96 hours<br>96 hours<br>48 hours<br>96 hours<br>48 hours |
| 2-methylpropan-1-ol     | Acute EC50 1300000 µg/l Fresh water<br><br>Acute EC50 1439000 µg/l Fresh water<br>Acute EC50 1100000 µg/l Fresh water<br><br>Acute EC50 1460 mg/l Fresh water<br>Acute LC50 600 mg/l Marine water<br>Acute LC50 1190000 µg/l Fresh water<br><br>Acute LC50 1030000 µg/l Fresh water<br><br>Acute LC50 1460000 µg/l Fresh water<br>Acute LC50 1430 mg/l Fresh water   | Daphnia - Daphnia magna - Larvae<br>Daphnia - Daphnia magna<br>Daphnia - Daphnia pulex - Larvae<br>Fish - Pimephales promelas<br>Crustaceans - Artemia salina<br>Daphnia - Daphnia magna - Neonate<br>Daphnia - Daphnia magna - Neonate<br>Fish - Ictalurus punctatus<br>Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)         | 48 hours<br>48 hours<br>48 hours<br>96 hours<br>48 hours<br>48 hours<br>48 hours<br>48 hours<br>96 hours<br>96 hours             |

## ROCKGRIP LC ETCH PRIMER

## SECTION 12: Ecological information

|               |                                     |  |          |
|---------------|-------------------------------------|--|----------|
| ethyl acetate | Acute LC50 1430000 µg/l Fresh water | Fish - Pimephales promelas   | 96 hours |
|               | Acute LC50 1330000 µg/l Fresh water | Fish - Oncorhynchus mykiss   | 96 hours |
|               | Chronic NOEC 20 mg/l Fresh water    | Daphnia - Daphnia magna  | 21 days  |
|               | Chronic NOEC 4000 µg/l Fresh water  | Daphnia - Daphnia magna  | 21 days  |
|               | Acute EC50 2500000 µg/l Fresh water | Algae - Selenastrum sp.  | 96 hours |
|               | Acute LC50 1600000 µg/l Fresh water | Crustaceans - Asellus aquaticus  | 48 hours |
|               | Acute LC50 750000 µg/l Fresh water  | Crustaceans - Gammarus pulex   | 48 hours |
|               | Acute LC50 175000 µg/l Fresh water  | Daphnia - Daphnia cucullata  | 48 hours |
|               | Acute LC50 154000 µg/l Fresh water  | Daphnia - Daphnia cucullata  | 48 hours |
|               | Acute LC50 560000 µg/l Fresh water  | Daphnia - Daphnia magna  | 48 hours |
|               | Acute LC50 230000 µg/l Fresh water  | Daphnia - Daphnia pulex  | 48 hours |
|               | Acute LC50 295000 µg/l Fresh water  | Daphnia - Daphnia pulex  | 48 hours |
|               | Acute LC50 230000 µg/l Fresh water  | Fish - Pimephales promelas   | 96 hours |
|               | Acute LC50 212500 µg/l Fresh water  | Fish - Heteropneustes fossilis   | 96 hours |
|               | Acute LC50 484000 µg/l Fresh water  | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
|               | Acute LC50 425300 µg/l Fresh water  | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
|               | Chronic NOEC 12 mg/l Fresh water    | Daphnia - Daphnia magna  | 21 days  |
|               | Chronic NOEC 2400 µg/l Fresh water  | Daphnia - Daphnia magna  | 21 days  |
|               | Chronic NOEC 75,6 mg/l Fresh water  | Fish - Pimephales promelas - Embryo                                    | 32 days  |
| phenol        | Acute EC50 61,1 µg/l Fresh water    | Algae - Pseudokirchneriella subcapitata                                | 96 hours |
|               | Acute EC50 36 mg/l Marine water     | Algae - Hormosira banksii - Gamete                                     | 72 hours |
|               | Acute EC50 94 mg/l Fresh water      | Aquatic plants - Lemna aequinoctialis                                  | 96 hours |
|               | Acute EC50 5,5 mg/l Fresh water     | Daphnia - Daphnia obtusa - Neonate                                     | 48 hours |
|               | Chronic NOEC 16 µg/l Marine water   | Algae - Hormosira banksii - Gamete                                     | 72 hours |
|               | Chronic NOEC 1,5 mg/l Fresh water   | Daphnia - Daphnia magna  | 21 days  |
|               | Chronic NOEC 118 µg/l Fresh water   | Fish - Oncorhynchus mykiss   | 90 days  |

**Conclusion/Summary** : Not available.

## 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

## 12.3 Bioaccumulative potential

| Product/ingredient name                  | LogP <sub>ow</sub> | BCF        | Potential |
|--|--------------------|------------|-----------|
| butan-1-ol                               | 1                  | -          | low       |
| propan-1-ol                              | 0,2                | -          | low       |
| pentan-2-ol                              | 1,19               | -          | low       |
| butan-2-ol                               | 0,61               | -          | low       |
| 2-methylpropan-1-ol                      | 1                  | -          | low       |
| 1-methoxy-2-propanol                     | <1                 | -          | low       |
| 3-methylbutan-2-ol                       | 1,28               | -          | low       |
| 3-pentanol                               | 1,21               | -          | low       |
| ethyl acetate                            | 0,68               | 30         | low       |
| phenol                                   | 1,47               | 647        | high      |
| Solvent naphtha (petroleum), light arom. | -                  | 10 to 2500 | high      |

## 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.



**ROCKGRIP LC ETCH PRIMER****SECTION 12: Ecological information****12.5 Results of PBT and vPvB assessment**

PBT : Not applicable.

vPvB : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods****Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**Disposal considerations** : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Disposal considerations** : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

| Type of packaging     | European waste catalogue (EWC)  |
|-----------------------|---|
| CEPE Paint Guidelines | 15 01 10*<br>packaging containing residues of or contaminated by hazardous substances |

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

**Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.**



| ROCKGRIP LC ETCH PRIMER  |  |  |
|--|--|--|
| Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport. |  |  |
| ADR  |  | IMDG   |
| 14.1 UN number   | UN1263   | UN1263   |
| 14.2 UN proper shipping name   | PAINT  | PAINT  |
| 14.3 Transport hazard class(es)<br>Class   | 3  | 3  |
| Subsidiary class   | -  | -  |
| 14.4 Packing group   | III  | II   |
| 14.5 Environmental hazards<br>Marine pollutant   | No.  | No.  |
| Marine pollutant substances  |  | Not available.   |
| 14.6 Special precautions for user  | Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. |  |
| HI/Kemler number   | 30   |  |
| Emergency schedules (EmS)  |  | F-E, S-E   |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code  | : Not applicable.  |  |
| Additional information   | <u>Tunnel code</u> (D/E)   | <u>Viscous substance exemption</u> This class 3 material can be shipped as Packing Group III in packagings up to 30 L. |

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorisation

#### Annex XIV

None of the components are listed, or the component present is below its threshold.

#### Substances of very high concern

None of the components are listed, or the component present is below its threshold.

**ROCKGRIP LC ETCH PRIMER****SECTION 15: Regulatory information**

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Other EU regulations**

**VOC for Ready-for-Use Mixture** : Not applicable.

**Ozone depleting substances (1005/2009/EU)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Seveso Directive**

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol (Annexes A, B, C, E)**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**CEPE code** : 1

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification      | Justification         |
|---------------------|-----------------------|
| Flam. Liq. 2, H225  | On basis of test data |
| Acute Tox. 4, H302  | Calculation method    |
| Skin Irrit. 2, H315 | Calculation method    |
| Eye Dam. 1, H318    | Calculation method    |
| STOT SE 3, H335     | Calculation method    |
| STOT SE 3, H336     | Calculation method    |

**ROCKGRIP LC ETCH PRIMER****SECTION 16: Other information**Full text of abbreviated H statements

|             |   |
|-------------|---|
| H225        | Highly flammable liquid and vapour.   |
| H226        | Flammable liquid and vapour.  |
| H301        | Toxic if swallowed.   |
| H302        | Harmful if swallowed.   |
| H304        | May be fatal if swallowed and enters airways.                                   |
| H311        | Toxic in contact with skin.   |
| H314        | Causes severe skin burns and eye damage.  |
| H315        | Causes skin irritation.   |
| H317        | May cause an allergic skin reaction.  |
| H318        | Causes serious eye damage.  |
| H319        | Causes serious eye irritation.  |
| H331        | Toxic if inhaled.   |
| H332        | Harmful if inhaled.   |
| H335        | May cause respiratory irritation.   |
| H336        | May cause drowsiness or dizziness.  |
| H341        | Suspected of causing genetic defects.   |
| H373 (oral) | May cause damage to organs through prolonged or repeated exposure if swallowed. |
| H373        | May cause damage to organs through prolonged or repeated exposure.              |
| H411        | Toxic to aquatic life with long lasting effects.                                |

Full text of classifications [CLP/GHS]

|                         |  |
|-------------------------|--|
| Acute Tox. 3, H301      | ACUTE TOXICITY (oral) - Category 3   |
| Acute Tox. 3, H311      | ACUTE TOXICITY (dermal) - Category 3   |
| Acute Tox. 3, H331      | ACUTE TOXICITY (inhalation) - Category 3   |
| Acute Tox. 4, H302      | ACUTE TOXICITY (oral) - Category 4   |
| Acute Tox. 4, H332      | ACUTE TOXICITY (inhalation) - Category 4   |
| Aquatic Chronic 2, H411 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2  |
| Asp. Tox. 1, H304       | ASPIRATION HAZARD - Category 1   |
| EUH066                  | Repeated exposure may cause skin dryness or cracking.  |
| Eye Dam. 1, H318        | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1   |
| Eye Irrit. 2, H319      | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2   |
| Flam. Liq. 2, H225      | FLAMMABLE LIQUIDS - Category 2   |
| Flam. Liq. 3, H226      | FLAMMABLE LIQUIDS - Category 3   |
| Muta. 2, H341           | GERM CELL MUTAGENICITY - Category 2  |
| Skin Corr. 1B, H314     | SKIN CORROSION/IRRITATION - Category 1B  |
| Skin Irrit. 2, H315     | SKIN CORROSION/IRRITATION - Category 2   |
| Skin Sens. 1A, H317     | SKIN SENSITISATION - Category 1A   |
| STOT RE 2, H373 (oral)  | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (oral) - Category 2                       |
| STOT RE 2, H373         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2                              |
| STOT SE 3, H335         | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 |
| STOT SE 3, H336         | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3             |

Date of printing : 8-9-2020

Date of issue/ Date of revision : 31-8-2020

Date of previous issue : 26-8-2020

Version : 8.01

Notice to reader

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate

**ROCKGRIP LC ETCH PRIMER****SECTION 16: Other information**

*or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.*

*Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.*

**Head Office**

**AkzoNobel Decorative Coatings BV, Christian Neefestraat 2, 1077 WW Amsterdam, The Netherlands**