

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 12.05.2017

Version No: 1

Revision: 12.05.2017

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

- **1.1 Product identifier**
- **Trade name:** LEUBIT® Primer Spray
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** Coating compound/ Surface coating/ paint
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 BVH  
 BITUMEN Vertrieb und Handel GmbH  
 Aue-Park-Allee 7  
 06237 Leuna  
 Tel.: +49 (0) 346 38 3603-0  
 Fax: +49 (0) 346 38 3603-29  
 Email: info@bvh-bitumen.de
- **1.4 Emergency telephone number:** Tel.: +49 (0)361 730730, 24h (Erfurt)

## SECTION 2: Hazards identification

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

|                   |           |  |
|-------------------|-----------|--|
| Aerosol 1         | H222-H229 | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| STOT SE 3         | H335-H336 | May cause respiratory irritation. May cause drowsiness or dizziness.     |
| Asp. Tox. 1       | H304      | May be fatal if swallowed and enters airways.                            |
| 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 CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
 Hydrocarbons, C9, aromatics
- **Hazard statements**  
 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
 H304 May be fatal if swallowed and enters airways.  
 H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not determined.· **vPvB:** Not determined.

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**· **Dangerous components:**

|                                |  |        |
|--------------------------------|--|--------|
| EC number: 918-668-5           | Hydrocarbons, C9, aromatics  | 40-70% |
| Reg.nr.: 01-2119455851-35-XXXX | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336 |        |

· **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:**

Take affected persons out of danger area and lay down.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:** Supply fresh air.· **After skin contact:** Generally the product does not irritate the skin.· **After eye contact:** Remove contact lenses, if present and easy to do. Continue rinsing.· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do NOT induce vomiting.

Call for a doctor immediately.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture**

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

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

· **5.3 Advice for firefighters**· **Protective equipment:** Wear self-contained respiratory protective device.· **Additional information**

Cool endangered receptacles with water spray.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents  
Absorb liquid components with liquid-binding material.  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Store only in the original receptacle.  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs

#### Hydrocarbons, C9, aromatics

|        |                     |                            |
|--------|---------------------|----------------------------|
| Oral   | DNEL(long/systemic) | 11 mg/kg bw/day (Consumer) |
| Dermal | DNEL(long/systemic) | 11 mg/kg bw/day (Consumer) |

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|            |                     |   |
|------------|---------------------|---|
| Inhalative | DNEL(long/systemic) | 25 mg/kg bw/day (Workers (Industrial/Professional))<br>32 mg/m3 (Consumer)<br>150 mg/m3 (Workers (Industrial/Professional)) |
|------------|---------------------|---|

### · 8.2 Exposure controls

#### · Personal protective equipment:

#### · General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

The usual precautionary measures are to be adhered to when handling chemicals.

#### · Respiratory protection:

Filter Typ A (EN 14387)

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### · Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### · Eye protection: Safety glasses

#### · Body protection: Protective work clothing

## SECTION 9: Physical and chemical properties

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

#### · General Information

#### · Appearance:

Form: Aerosol

Colour: Black

· Odour: Solvent-like

· Odour threshold: Not determined.

· pH-value: Not determined.

#### · Change in condition

Melting point/freezing point: Not determined.

Initial boiling point and boiling range: Not determined.

· Flash point: > 23 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: ca. 220 °C

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|  |   |
|--|---|
| · <b>Decomposition temperature:</b>              | Not determined.   |
| · <b>Auto-ignition temperature:</b>              | Product is not selfigniting.  |
| · <b>Explosive properties:</b>                   | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · <b>Explosion limits:</b>                       |   |
| Lower:   | 0.80 Vol %  |
| Upper:   | 6.40 Vol %  |
| · <b>Oxidising properties</b>                    | No  |
| · <b>Vapour pressure:</b>                        | Not determined.   |
| · <b>Density at 20 °C:</b>                       | 0.93 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 water:</b> | Insoluble.  |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.   |
| · <b>Viscosity:</b>                              |   |
| Dynamic:   | Not determined.   |
| Kinematic at 23 °C:                              | ≥ 15 s (DIN ISO 2431, 4 mm))  |
| · <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** No decomposition if used and stored according to specifications.
- **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** Keep away from heat and direct sunlight.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 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:**

##### Hydrocarbons, C9, aromatics

|            |           |  |
|------------|-----------|--|
| Oral       | LD50      | 3492 mg/kg (Rat)   |
| Dermal     | LD50      | > 3160 mg/kg (Rabbit) (OECD Guideline 402)                 |
| Inhalative | LC50 (4h) | > 6.193 mg/L (Rat) (OECD Guideline 403, inhalation:vapour) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.

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- **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**  
May be fatal if swallowed and enters airways.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### Hydrocarbons, C9, aromatics

|                      |   |
|----------------------|---|
| LC50 (96h)           | 9.2 mg/L (Fish) (OECD Guideline 203, Oncorhynchus mykiss)<br>semi-static<br>Water Accommodated Fractions (WAFs) |
| ErC50 (72h) (static) | 2.9 mg/L (Algae) (OECD Guideline 201, Pseudokirchneriella subcapitata)<br>Water Accommodated Fractions (WAFs)   |
| EC50 (48h) (static)  | 3.2 mg/L (Daphnia) (OECD Guideline 202, Daphnia magna)<br>Water Accommodated Fractions (WAFs)                   |
| EC50 (static)        | > 99 mg/L (Bacteria) (OECD Guideline 209, activated sludge)<br>10 min   |
| NOEC (static)        | > 99 mg/L (Bacteria) (OECD Guideline 209, activated sludge)<br>10 min   |
| NOEL (21d)           | 2.144 mg/L (Daphnia) (QSAR, Daphnia magna)  |

#### · 12.2 Persistence and degradability

Hydrocarbons, C9, aromatics > 60 % @ 28d (OECD Guideline 301 F)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

· **Recommendation:** Must be specially treated adhering to official regulations.

#### · European waste catalogue

13 02 08\* other engine, gear and lubricating oils

#### · Uncleaned packaging

· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### · 14.1 UN-Number

· **ADR/RID/ADN, IMDG, IATA** UN1950

#### · 14.2 UN proper shipping name

· **ADR/RID/ADN** 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS

#### · IMDG

AEROSOLS (Hydrocarbons, C9, aromatics, 1,2,4-trimethylbenzene), MARINE POLLUTANT

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|  |  |
|--|--|
| · IATA   | AEROSOLS, flammable  |
| · 14.3 Transport hazard class(es)  |  |
| · ADR/RID/ADN  |  |
|   |  |
| · Class  | 2 5F Gases.  |
| · Label  | 2.1  |
| · IMDG   |  |
|   |  |
| · Class  | 2.1  |
| · Label  | 2.1  |
| · IATA   |  |
|  |  |
| · Class  | 2.1  |
| · Label  | 2.1  |
| · 14.4 Packing group   |  |
| · ADR/RID/ADN, IMDG, IATA  | Void   |
| · 14.5 Environmental hazards:  | Product contains environmentally hazardous substances: Hydrocarbons, C9, aromatics   |
| · Marine pollutant:  | Symbol (fish and tree)   |
| · Special marking (ADR/RID/ADN):   | Symbol (fish and tree)   |
| · 14.6 Special precautions for user  | Warning: Gases.  |
| · Danger code (Kemler):  | -  |
| · EMS Number:  | F-D,S-U  |
| · Stowage Category   | A  |
| · Stowage Code   | SW1 Protected from sources of heat.<br>SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.   |
| · Segregation Code   | SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:    | Not applicable.  |

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|  |  |
|--|--|
| · <b>Transport/Additional information:</b> |  |
| · <b>ADR/RID/ADN</b>                       |  |
| · <b>Tunnel restriction code</b>           | D  |
| · <b>UN "Model Regulation":</b>            | UN 1950 AEROSOLS, 2.1, 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.
- **Seveso category**  
E2 Hazardous to the Aquatic Environment  
P3b FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 5
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.
- **Department issuing SDS:**  
BVH  
BITUMEN Vertrieb und Handel GmbH  
Aue-Park-Allee 7  
D-06237 Leuna
- **Abbreviations and acronyms:**  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
UN: United Nations (also UNO: United Nations Organization)  
NOEC: No Observed Effect Concentration  
OECD: Organisation for Economic Co-operation and Development  
ASTM: American Society for Testing and Materials  
WAF: Water Accommodated Fraction  
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)  
DNEL: Derived No-Effect Level (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Aerosol 1: Aerosols – Category 1

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Flam. Liq. 3: Flammable liquids – Category 3

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

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

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