

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

Printing date 16.05.2013

Revision: 09.11.2012

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** IMBERAL SL 30B
- **Article number:** 51121 C
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Silo coating, protective bituminous coating with good adhesion for animal feed stores and silos, solvent-containing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Meffert AG
Sandweg 15
D-55543 Bad Kreuznach
-
- Tel.: +49 (0)671 / 870-0
Fax: +49 (0)671 / 870-397
- **Further information obtainable from:**
Abt. Forschung und Entwicklung
Ansprechpartner: E-Mail: SDB@meffert.com
- **Emergency telephone number:**
Abt. Forschung und Entwicklung
Tel.: +49 (0)671 / 870-327 Mo-Fr 7.30 - 20.00Uhr, Sa 9.00-20.00 Uhr

2 Hazards identification

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



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
N Dangerous for the environment
- **Information concerning particular hazards for human and environment:**
R 10 Flammable.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 67 Vapours may cause drowsiness and dizziness.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

(Contd. on page 2)

Safety data sheet

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Revision: 09.11.2012

Trade name: **IMBERAL SL 30B**

(Contd. of page 1)

· **Code letter and hazard designation of product:**

N Dangerous for the environment

· **Risk phrases:**

- 10 Flammable.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 33 Take precautionary measures against static discharges.
- 36/37 Wear suitable protective clothing and gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.

· **Other hazards** The product contains no polycyclic aromatic hydrocarbons, no tar and no phenols.· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** solvent-based bitumen paint

· **Dangerous components:**

| | | |
|-------------------|--|--------|
| CAS: 64742-47-8 | Distillates (petroleum), hydrotreated light | 25-50% |
| EINECS: 265-149-8 | Xn R65; N R51/53 R10-66-67 | |
| | Flam. Liq. 3, H226; Aquatic Chronic 2, H411 | |

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

4 First aid measures

· **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

GB

(Contd. on page 3)

Safety data sheet
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Revision: 09.11.2012

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(Contd. of page 2)

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Explosion and fire do not breathe fumes.
- **Additional information** Exposed containers with water spray jet.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep spectators away.
Ensure adequate ventilation.
Sources of ignition.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep only in original packaging.
Keep away from heat and direct sunlight.
- **Information about storage in one common storage facility:**
Keep away from food, drink and animal feed hold.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

(Contd. on page 4)

GB

Safety data sheet
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Printing date 16.05.2013

Revision: 09.11.2012

Trade name: IMBERAL SL 30B

(Contd. of page 3)

· **Control parameters**

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

8052-42-4 Asphalt (50-100%)

| | |
|-----|--|
| WEL | Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ |
|-----|--|

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

· **Respiratory protection:**

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:**

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:** Tightly sealed goggles

· **Body protection:** Protective clothing

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: liquid

Colour: Black

· **Odour:** Solvent-like

· **Change in condition**

Melting point/Melting range: -15°C

Boiling point/Boiling range: 145-200°C

· **Flash point:** 41°C

· **Ignition temperature:** 210°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 0.3 Vol %

Upper: 6.5 Vol %

· **Vapour pressure at 20°C:** 2 hPa

· **Density at 20°C:** 0.92 g/cm³

(Contd. on page 5)

Safety data sheet
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Revision: 09.11.2012

Trade name: IMBERAL SL 30B

(Contd. of page 4)

- | | |
|---|--|
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Viscosity: Kinematic at 20°C: | 100 s (ISO 4 mm) |
| · Solvent content: Organic solvents: | 25-50 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Dries skin
 - **on the eye:** Irritability
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 - Also poisonous for fish and plankton in water bodies.
 - Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

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

- **European waste catalogue**

| | |
|----------|--|
| 17 03 02 | bituminous mixtures other than those mentioned in 17 03 01 |
|----------|--|

(Contd. on page 6)

Safety data sheet
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Revision: 09.11.2012

Trade name: **IMBERAL SL 30B**

(Contd. of page 5)

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

14 Transport information

| | |
|--|---|
| · UN-Number | |
| · ADR, IMDG, IATA | UN1139 |
| · UN proper shipping name | |
| · ADR | 1139 COATING SOLUTION (not viscous) |
| · IMDG, IATA | COATING SOLUTION |
| · Transport hazard class(es) | |
| · ADR | |
|  |  |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · Packing group | |
| · ADR, IMDG, IATA | III |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special marking (ADR): | Symbol (fish and tree) |
| · Special precautions for user | Warning: Flammable liquids. |
| · Danger code (Kemler): | 30 |
| · EMS Number: | F-E,S-E |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Tunnel restriction code | D/E |
| · UN "Model Regulation": | UN1139, COATING SOLUTION (not viscous), 3, III |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
according to Directive 2004/42 / EC cat. A / i max. 420 g / l

(Contd. on page 7)

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

Printing date 16.05.2013

Revision: 09.11.2012

Trade name: IMBERAL SL 30B

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

(Contd. of page 6)

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.

H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

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 Harmonized System of Classification and Labelling of Chemicals

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