

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**
No further relevant information available.
- **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:**
Heinrich Hahne GmbH & Co. KG
Heinrich-Hahne-Weg 11
45711 Datteln Tel.: 02363/5663-0
- **Further information obtainable from:**
Abteilung: Produktsicherheit
Tel.: 02363 5663-0
Email: info@hahne-bautenschutz.de
- **Emergency telephone number:**
Giftnformationszentrum Nord (GIZ Nord) Universität Göttingen,
Tel.: 0551-19240

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.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

- **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 Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Trade name: **IMBERAL SL 30B**

(Contd. of page 1)

· **Hazard pictograms**

GHS02 GHS07 GHS09

· **Signal word** Warning· **Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.





P243 Take precautionary measures against static discharge.

P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

· **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	
	 Flam. Liq. 3, H226;  Aquatic Chronic 2, H411;  STOT SE 3, H336	

· **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.

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

(Contd. on page 3)

Printing date 14.03.2014

Revision: 14.03.2014

Trade name: **IMBERAL SL 30B**

(Contd. of page 2)

- **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**
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.
- **Storage class:** LGK (VCI concept): 3A - Flammable Liquids.
- **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.
- **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

(Contd. on page 4)

Trade name: IMBERAL SL 30B

(Contd. of page 3)

64742-47-8 Distillates (petroleum), hydrotreated light (25-50%)

AGW 300 mg / m³ (RCP method)

- **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
Protective gloves solve-resistant barrier cream
- **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.
Solvent resistant protective gloves made of nitrile rubber or fluorine rubber (Viton).
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
480 min (nitrile rubber), 480 min (Viton)
- **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

(Contd. on page 5)

Printing date 14.03.2014

Revision: 14.03.2014

Trade name: **IMBERAL SL 30B**

(Contd. of page 4)

· Density at 20 °C:	0.92 g/cm ³
· 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
 Water hazard class 2 (Self-assessment): hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

GB

(Contd. on page 6)

Printing date 14.03.2014

Revision: 14.03.2014

Trade name: **IMBERAL SL 30B**

(Contd. of page 5)



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

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

14 Transport information

· UN-Number	UN1139
· ADR, IMDG, IATA	
· UN proper shipping name	1139 COATING SOLUTION (not viscous)
· ADR	COATING SOLUTION (Distillates (petroleum), hydrotreated light), MARINE POLLUTANT
· IMDG	
· IATA	COATING SOLUTION
· Transport hazard class(es)	
· ADR, IMDG	
	
· Class	3 Flammable liquids.
· Label	3
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	III
· ADR, IMDG, IATA	
· Environmental hazards:	Product contains environmentally hazardous substances: Distillates (petroleum), hydrotreated light
· Marine pollutant:	No Symbol (fish and tree)
· 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.

(Contd. on page 7)

Trade name: IMBERAL SL 30B

(Contd. of page 6)

· Transport/Additional information:

· ADR

- | | |
|---------------------------|-----|
| · Limited quantities (LQ) | 5L |
| · Transport category | 3 |
| · 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
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

R65 Harmful: may cause lung damage if swallowed.

· 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