

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 1 of 7

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

C65BP6-DSK

Further trade names

Eshalite DSK 2,0ohne | 2,0ohne A , Eshalite DSK 2,1ohne | 2,1ohne A , Eshalite DSK 2,2ohne | 2,2ohne A,
Eshalite DSK 2,3ohne | 2,3ohne A , Eshalite DSK 2,4ohne | 2,4ohne A (A=highway quality)

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Bitumen emulsion for manufacturing DSK Asphalt

1.3. Details of the supplier of the safety data sheet

Company name: Esha Strasse GmbH
Street: An der Ostbahn 4
Place: D-99867 Gotha
Telephone: +49 (0) 3621-8797-0 **Telefax:** +49 (0) 3621-8797-77
e-mail: info@esha.eu
Contact person: Frau Auerswald
Internet: www.esha.eu

1.4. Emergency telephone number: +49 (0) 3621-8797-0 (business hours: 08:00 - 16:00 clock)

Further Information

This safety data sheet was created by: ECI EnviroConsult Ingenieurbüro Dr. Lux e.K.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

This mixture is not classified as hazardous according to Directive 1999/45/EC.

GHS classification

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements**Additional advice on labelling**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Aqueous bitumen emulsion containing organic and inorganic additives

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 2 of 7

Hazardous components

| EC No | Chemical name | Quantity |
|--------------|-------------------------------------|----------|
| CAS No | Classification | |
| Index No | GHS classification | |
| REACH No | | |
| 231-595-7 | Hydrochloric acid 31 % | 1- 5 % |
| | C - Corrosive, Xi - Irritant R34-37 | |
| 017-002-01-X | Skin Corr. 1B, STOT SE 3; H314 H335 | |

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures**After inhalation**

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2. Environmental precautions

No special environmental measures are necessary. Clean contaminated objects and areas thoroughly observing environmental regulations.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 3 of 7

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Safe handling measures are to be adapted to the requirements of the working environment. There is no requirement for additional safe handling measures.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

emulgated bitumous mixture for thin layer fabrication in cold asphalt application

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | pp | mg/m | fibres/m | Categor | Origi |
|-----------|---|----|------|----------|---------------|-------|
| 8052-42-4 | Asphalt, petroleum fumes | - | 5 | | TWA (8 h) | WEL |
| | | - | 10 | | STEL (15 min) | WEL |
| 7647-01-0 | Hydrogen chloride (gas and aerosol mists) | 1 | 2 | | TWA (8 h) | WEL |
| | | 5 | 8 | | STEL (15 min) | WEL |

8.2. Exposure controls**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Adapt protective equipment to the requirements of the area of application (spraying, painting, bonding). Handling the unheated product does not require additional protective equipment.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves are to be worn: Required properties: liquid-tight.

Eye protection

Wear eye/face protection. Asphalt particles may irritate the eye.

Skin protection

Wear suitable protective clothing.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 4 of 7

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

| | |
|-----------------|------------------------------|
| Physical state: | liquid |
| Colour: | brown-black |
| Odour: | characteristic like: bitumen |

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 100 °C

Flash point: not determined

Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Oxidizing properties

In conjunction with porous and combustible materials, the bitumen content in the product reinforce the flammable / pyrophoric properties of the corresponding materials.

Vapour pressure: 23,4 hPa
(at 20 °C)Vapour pressure: 123 hPa
(at 50 °C)Density: 1,1 g/cm³

Water solubility: insoluble

Solubility in other solvents: not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 0,04 %, water: 33-37 %

9.2. Other information

Solid content: 63-67M.-% (DIN EN 1428)

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 5 of 7

10.4. Conditions to avoid

Strong heating (> 200 ° C) may lead to a decomposition of the bitumen content in the emulsion. The decomposition is accompanied by the release of irritating fumes and smoke.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Part of the product (bitumen) can release small amounts of PAH-containing organic vapors when heated. These vapors may enter the human body via the respiratory tract.

Severe effects after repeated or prolonged exposure

For long-term exposure to PAH-containing vapors emitted from the heated product, a chronic effect may not be excluded from the intake of larger amounts of PAH according to MAK-commission.

Additional information on tests

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

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

Aquatic toxicity: The classification criteria for this hazard class are not met by

| CAS No | Chemical name | | | | |
|--------|------------------------|--------|----------|----------------|------|
| | Aquatic toxicity | Method | Dose | Species | h |
| | Hydrochloric acid 31 % | | | | |
| | Acute fish toxicity | LC50 | 862 mg/l | Leuciscus idus | 96 h |

12.2. Persistence and degradability

According to experiences this product is inert and not degradable. The product requires thermal treatment.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

No special environmental measures are necessary.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 6 of 7

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)**Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

Air transport (ICAO)**Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards**ENVIRONMENTALLY HAZARDOUS:** no**14.6. Special precautions for user**

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****1999/13/EC (VOC):** 0,063 % (0,688 g/l)**National regulatory information****Water contaminating class (D):** - - not water contaminating**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Full text of R phrases referred to under Sections 2 and 3

34 Causes burns.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eshalite DSK

Revision date: 27.01.2016

Page 7 of 7

37 Irritating to respiratory system.

Full text of H statements referred to under Sections 2 and 3

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)