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

### 1.1 Product identifier

**Trade name/designation**

KW06-0000-0AH — OilChoice SPORT B Poly Hardene
0000 colorless

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

**Relevant identified uses**

Reserved for industrial and professional use. Curing agent

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

**Supplier**

Berger-Seidle GmbH
Maybachstr. 2
67269 Grünstadt
Germany

Telephone: +49 6359 8005-0
Email: info@berger-seidle.de
Website: www.berger-seidle.de

**Department responsible for information**

| | |
|---|---|
| Email (competent person) | Sicherheitsdaten@berger-seidle.de |
| Information telephone | +49 6359 8005 0 |

### 1.4 Emergency telephone number

| | |
|---|---|
| Emergency telephone number<br>24 hr. emergency phone number | +1 872 5888271 |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)**

| | |
|---|---|
| Acute Tox. 4 inhalative | H332 Harmful if inhaled. |
| STOT SE 3 Irritation to respiratory tract | H335 May cause respiratory irritation. |
| Skin Sens. 1 | H317 May cause an allergic skin reaction. |

### 2.2 Label elements

**Labeling according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**Hazard pictograms**

GHS07

**Signal word**

Warning

**Hazard statements**

| | |
|---|---|
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H317 | May cause an allergic skin reaction. |

**Precautionary statements**

| | |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |
| P261 | Avoid breathing vapours. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing and eye protection/face protection. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER if you feel unwell. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

| | |
|---|---|
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to industrial incineration plant. |

**Hazard components for labelling**

HDI oligomers, isocyanurate

### 2.3 Hazards not otherwise classified (HNOC)

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 3: Composition/information on ingredients.

### 3.2 Mixtures

**Description**

Isocyanathaltige Zubereitungen

**Hazardous ingredients**

| CAS No.<br>EC No.<br>Index No. | Substance name<br>REACH No. | weight-% |
|---|---|---|
| -<br>931-274-8<br>- | **HDI oligomers, isocyanurate**<br>Skin Sens. 1 H317 / Acute Tox. 4 H332 / STOT SE 3 H335 | > 70,0 |

**Remark**

Full text of H-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**Following inhalation**

In case of irregular breathing or respiratory arrest provide artificial respiration.Remove casualty to fresh air and keep warm and at rest.

**Following skin contact**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

**Self-protection of the first aider**

First aider: Pay attention to self-protection!

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

**Symptoms**

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

**Unsuitable extinguishing media**

Strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3 Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2 Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

**For containment**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

**For cleaning up**

Clean using cleansing agents. Do not use solvents.

**6.4 Reference to other sections**

Safe handling: see section 7
Personal protection equipment: refer to section 8
Disposal: see section 13

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advices on safe handling**

Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Advices on general occupational hygiene**

When using do not eat, drink or smoke.

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

**Requirements for storage rooms and vessels**

* Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store containers carefully closed and upright to prevent any leaks.

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Storage class** LGK10 - Combustible liquids that cannot be assigned to any of the above storage classes

**Further information on storage conditions**

* Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store containers carefully closed and upright to prevent any leaks. Store in a well-ventilated and dry room at temperatures between 5 °C and 25 °C.

**7.3 Specific end use(s)**

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Occupational exposure limit values**

| CAS No | Substance name | Source | Long-term /short-term (peak |
|---|---|---|---|

| CAS No. | Substance name | Source | limitation) |
|---|---|---|---|
| 822-06-0 | hexamethylene-di-isocyanate | ACGIH | 0.034 / - ( - ) mg/m³ |
| 822-06-0 | hexamethylene-di-isocyanate | NIOSH | 0.035 / -(0.14) mg/m³ |

**Additional information**

Long-term: Long-term occupational exposure limit value
short-term: short-term occupational exposure limit value

**Biological limit values**

| CAS No. | Substance name | Source | Value/ Test material |
|---|---|---|---|
| 822-06-0 | hexamethylene-di-isocyanate | ACGIH-BEI | 15 µg/g creatinine / urine end of exposure or end of shift |

**DNEL worker**

| CAS No. | Substance name | DNEL type | DNEL value |
|---|---|---|---|
| - | HDI oligomers, isocyanurate | Acute - inhalation, local effects | 1 mg/m³ |
| - | HDI oligomers, isocyanurate | Long-term – inhalation, local effects | 0.5 mg/m³ |

**PNEC**

| CAS No. | Substance name | PNEC type | PNEC Value |
|---|---|---|---|
| - | HDI oligomers, isocyanurate | aquatic, intermittent release | 1.27 mg/L |
| - | HDI oligomers, isocyanurate | aquatic, marine water | 0.0127 mg/L |
| - | HDI oligomers, isocyanurate | sewage treatment plant | 88 mg/L |
| - | HDI oligomers, isocyanurate | sediment, freshwater | 266,701 mg/kg sediment dw |
| - | HDI oligomers, isocyanurate | sediment, marine water | 26,670 mg/kg sediment dw |

### 8.2 Exposure controls

Provide good ventilation.This can be achieved with local or room suction.

**Personal protection equipment**

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Hand protection**

Suitable material: NBR (Nitrile rubber)
Thickness of the glove material >= 0.4 mm
Breakthrough time >= 480 min

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. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.
Recommended glove articles: EN ISO 374

**Skin protection**

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Eye glasses with side protection: EN 166

**Body protection**

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid |
| Colour | yellow |
| Odour | characteristic |

| | |
|---|---|
| pH at 20 °C | not applicable |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 250 °C |
| | Source: HDI oligomers, isocyanurate |
| Flash point | > 100 °C |
| flammability | not applicable |
| Lower explosion limit at 20°C | not determined |
| Upper explosion limit at 20°C | not determined |
| Vapour pressure at 20°C | 0.000026 mbar |
| Relative vapour density | not applicable |
| Density at 20 °C | 1.15 kg/l |
| Water solubility at 20°C | not determined |
| Partition coefficient: n-octanol/water | see section 12 |
| Ignition temperature in °C | not determined |
| Decomposition temperature | not determined |
| Viscosity at 20 °C | < 700 mm²/s |
| particle characteristics | not applicable |

**9.2**

| | |
|---|---|
| aromatic hydrocarbons | 0.0 % |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

**10.3 Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4 Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5 Incompatible materials**

No further relevant information available.

**10.6 Hazardous decomposition products**

Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity**

Harmful if inhaled.

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Overall assessment on CMR properties**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

### 11.2 Information on other hazards

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1 Toxicity

Based on available data, the classification criteria are not met.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product/Packaging disposal**

Do not empty into drains; dispose of this material and its container in a safe way.

**Waste codes/waste designations according to EWC/AVV**

080111* - Waste paint and varnish containing organic solvents or other dangerous substances
* Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Other disposal recommendations**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

### 14.1 UN number or ID number

not applicable

### 14.2 UN proper shipping name

**Land transport (US DoT 49 CFR)**

No dangerous good in sense of these transport regulations.

**Sea transport (IMDG)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO-TI / IATA-DGR)**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

not applicable

**14.4 Packing group**

not applicable

**14.5 Environmental hazards**

| | |
|---|---|
| Land transport (US DoT 49 CFR) | not applicable |
| Sea transport (IMDG) | not applicable |

**14.6 Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

**14.7 Maritime transport in bulk according to IMO instruments**

No transport as bulk according to IBC Code.

**14.8 Additional information**

**Land transport (US DoT 49 CFR)**

not applicable

**Sea transport (IMDG)**

not applicable

**Air transport (ICAO-TI / IATA-DGR)**

not applicable

## SECTION 15: Regulatory information

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

* **National regulations**

Observe in addition any national regulations!

SARA Title III Section 311/312 Hazard Categories:
Refer to section 2 of the safety data sheet.
This product contains max. 1 g/l g/l VOC (according to ASTM D2369).

* **Substance/product listed in the following inventories**

Australian Inventory of Chemical Substances (AICS) - AU
Domestic Substances List (DSL) - CA
U.S. Toxic Substances Control Act (TSCA) - US

## SECTION 16: Other information

**List of relevant hazard statements and/or precautionary statements from sections 2 to 15**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

**Key literature references and sources for data**

Data arise from reference works and literature.

**Abbreviations and acronyms**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
BLV: Biological limit values
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic and Reprotoxic
DIN: German Institute for Standardization / German industrial standard
DNEL: Derived No-Effect Level
EAKV: European Waste Catalogue Directive
EC: Effective Concentration
EC: European Community

EN: European Standard
EU/EEA: European Economic Area
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
LC: Lethal Concentration
LD: Lethal Dose
MAK:
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PNEC: Predicted No Effect Concentration
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bioaccumulative

**Indication of changes**

* Data changed compared with the previous version.