

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 /  
Rules and Regulations



Article No.: KG40910ADX10 Classic BaseOil Color  
Print date: 24.01.2019 Revision date: 24.01.2019  
Version: 10.9 Issue date: 18.01.2019

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

### 1.1. Product identifier

Article No. (manufacturer/supplier) KG40910ADX10  
Trade name/designation Classic BaseOil Color  
Weiß/White  
abZ-Nr. Z-157.10-47

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

#### Relevant identified uses

paint and/or paint related material

#### Uses advised against

Do not use for sputtering or spraying.  
Product is not intended for consumer use.

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

#### supplier (manufacturer/importer/downstream user/distributor)

Berger-Seidle GmbH  
Parkettlacke - Klebstoffe - Bauchemie Telephone: +49 6359 / 8005-0  
Maybachstraße 2 Telefax: +49 6359 / 8005-50  
67269 Grünstadt  
Germany

#### Dept. responsible for information:

Laboratory  
E-mail sicherheitsdaten@berger-lacke.de

### 1.4. Emergency telephone number

Emergency telephone number Infotrac ID 82733: (USA domestic) 1 800 535 5053

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Flam. Liq. 4 / H227 Flammable liquids Combustible liquid.

### 2.2. Label elements

#### GHS-US labeling

#### Hazard pictograms

#### Warning

#### Hazard statements

H227 Combustible liquid.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves and eye/face protection.  
P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish.  
P403 Store in a well-ventilated place.  
P501 Dispose of contents/container to industrial incineration plant.

#### Hazard components for labelling

#### Other information

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.

### 2.3. Other hazards

No information available.

#### Other information

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.

## SECTION 3: Composition / information on ingredients

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### 3.2. Mixtures

**Description** Oils/waxes, containing solvents, aromatics removed

**Hazardous ingredients**

**GHS-US classification**

CAS No.	Designation // Remark	Wt %
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	5 - 10
	Alkanes, C11-13-isoalkane < 2% Aromaten	2,5 - 5
85-44-9	phthalic anhydride	< 0,5

## 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.

#### In case of inhalation

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

#### Following skin contact

Take off immediately all contaminated clothing. 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.

#### After ingestion

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

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

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, 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

Keep away from 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

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authorities in accordance with local regulations.

### 6.3. Methods and material for containment and cleaning up

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). Clean using cleansing agents. Do not use solvents.

### 6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to 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.

#### Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

### 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 carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

#### Hints on joint storage

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

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 25 °C. Protect from heat and direct sunlight.

Due to the content of organic solvents in the preparation:

Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

phthalic anhydride

INDEX No. 607-009-00-4 / EC No. 201-607-5 / CAS No. 85-44-9

#### Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

C : peak limitation

### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

#### Personal protection equipment

##### Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection

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apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

## Hand protection

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

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

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

## Eye/face protection

Wear closely fitting protective glasses in case of splashes.

## Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

## Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

## Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

#### Appearance:

Physical state:

Liquid

Colour:

refer to chapter 1.

Odour:

characteristic

Odour threshold:

not applicable

pH at 20 °C:

not applicable

Initial boiling point and boiling range:

170 °C

Source: Alkanes, C11-13-isoalkane < 2% Aromaten

Flash point:

> 61 °C

Evaporation rate:

not applicable

flammability

Burning time (s):

not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit:

0,83 Vol-%

Upper explosion limit:

14 Vol-%

Source: (2-methoxymethylethoxy)propanol

Vapour pressure at 20 °C:

0,7 mbar

Method: calculated.

Source: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Vapour density:

not applicable

Relative density:

Density at 20 °C:

1,11 g/cm<sup>3</sup>

Solubility(ies):

Water solubility (g/L) at 20 °C:

insoluble

Partition coefficient: n-octanol/water:

see section 12

Auto-ignition temperature:

> 200 °C

Source: Alkanes, C11-13-isoalkane < 2% Aromaten

Decomposition temperature:

not applicable

Viscosity at 20 °C:

35 s 4 mm

Method: DIN 53211

Explosive properties:

not applicable

Oxidising properties:

not applicable

### 9.2. Other information

Solid content (%):

83,39 Wt %

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**solvent content:**  
**Organic solvents:** 15 Wt %  
**Water:** 0 Wt %  
**Solvent separation test (%):** < 3 Wt % (ADR/RID)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 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

not applicable

### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

### 11.1. Information on toxicological effects

#### Acute toxicity

phthalic anhydride

oral, LD50, Rat: 1530 mg/kg

dermal, LD50, Rabbit: 3160 mg/kg

inhalative, Rat: 0,21 mg/l (1 h)

#### Skin corrosion/irritation; Serious eye damage/eye irritation

phthalic anhydride

Skin (4 h)

eyes

#### Respiratory or skin sensitisation

phthalic anhydride

Skin:

Respiratory system:

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

#### STOT-single exposure; STOT-repeated exposure

phthalic anhydride

Specific target organ toxicity (single exposure), Irritation

#### Aspiration hazard

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Aspiration hazard

#### Practical experience/human evidence

#### Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### Remark

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See

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chapters 2 and 15 for details.

## SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Do not allow to enter into surface water or drains.

### 12.1. Toxicity

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

#### Long-term Ecotoxicity

Toxicological data are not available.

### 12.2. Persistence and degradability

Toxicological data are not available.

### 12.3. Bioaccumulative potential

phthalic anhydride

Partition coefficient: n-octanol/water: 1,6

#### Bioconcentration factor (BCF)

Toxicological data are not available.

### 12.4. Mobility in soil

Toxicological data are not 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. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 08 01 11

#### Appropriate disposal / Package Recommendation

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

## SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

### 14.1. UN number

not applicable

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

not applicable

### 14.4. Packing group

not applicable

### 14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

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

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case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

## Further information

### Land transport (ADR/RID)

tunnel restriction code -

### Sea transport (IMDG)

EmS-No. not applicable

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

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

#### US Federal regulations

##### Directive 2010/75/EU on industrial emissions

VOC-value (in g/L) ISO 11890-2: 184

VOC-value (in g/L) ASTM D 2369: 184

##### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC product category: (Cat. A/f) ; VOC limit value: 700 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 184

#### National regulations

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

### 15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
918-167-1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	01-2119472146-39-XXXX
920-901-0	Alkanes, C11-13-isoalkane < 2% Aromaten	01-2119456810-40-XXXX
201-607-5 85-44-9	phthalic anhydride	01-2119457017-41-XXXX

## SECTION 16: Other information

### Full text of classification in section 3:

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Resp. Sens. 1 / H334	Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

### Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 4 Flammable liquids On basis of test data.

### Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging

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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
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
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
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

## Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

\* Data changed compared with the previous version