

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

Article No.	14061820	Product	No-Buntlack RAL 6018
Print date	11.05.2018	Version	7.1
Revision date	12.04.2018	Issue date	12.04.2018
Product names	No-Buntlack RAL 6018 / SEKL 6018/02 / Wilkotex TC		

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

1.1. Product identifier

Product number (manufacturer/supplier): 14061820

Name of the substance or mixture: No-Buntlack RAL 6018
SEKL 6018/02
Wilkotex TC

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

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/professional user/distributor)
Wilckens Farben GmbH
Schmiedestrasse 10
D-25348 Glückstadt
Telephone: +49 4124 606-0
Fax: +49 4124 1537
Information: Laboratory
E-mail (competent person): lab@wilckens.com

1.4. Emergency telephone number

Emergency telephone number: +49 4124 606 188

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as hazardous within the meaning of Regulation (EC) No. 1272/2008 [CLP].

Flam. Liq. 3 / H226 — Flammable liquid and vapour.

STOT SE 3 / H336 — Specific target organ toxicity (single exposure). May cause drowsiness or dizziness.

2.2. Label elements

Signal word: Warning

Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P370 + P378 In case of fire: Use dry powder or sand for extinction.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulations.

Contains: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Additional EU hazard characteristics: Not applicable.

2.3. Other hazards

The mixture does not contain substances of very high concern (SVHC) $\geq 0.1\%$, as published by the European Chemicals Agency (ECHA) in accordance with Article 57 of Regulation (EC) No. 1907/2006 (REACH).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product description / chemical characterisation

EC No.	CAS No.	Chemical name	Classification / note	Wt-%
919-857-5	64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics	Flam. Liq. 2 H 226 / Acute Tox. 1 H 304 / STOT SE 3 H 336	35 < 40
927-241-2	64742-48-9	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics	STOT SE 3 H 336 / Acute Tox. 1 H 304 / Aquatic Chronic 3 H 412 / Flam. Liq. 3 H 226	5 < 17
215-535-7	1330-20-7	Xylene, mixture of isomers	Flam. Liq. 3 H 226 / Acute Tox. 4 H 312 / Acute Tox. 4 H 332 / Skin Irrit. 2 H 315 / Eye Irrit. 2 H 319 / As	21.5
245-018-1	22464-99-9	2-ethylhexanoate, zirconium salt	Repr. 2 H 361	0.1 < 0.15

Additional information: For the full text of classifications, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: If symptoms occur or in case of doubt, seek medical advice. If unconscious, do not give anything by mouth; place in the recovery position and seek medical advice.

After inhalation: Move the casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, give artificial respiration.

After skin contact: Remove contaminated 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.

After ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep the casualty at rest. Do NOT induce vomiting.

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

If symptoms occur or in case of doubt, seek medical advice.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water spray (water).

Unsuitable extinguishing media: Strong water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire, dense black smoke is produced. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Keep respiratory protective equipment ready. Cool closed containers in the vicinity of the fire with water. Do not allow fire-fighting water to enter drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate the affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not discharge into drains or open waters. Inform the competent authorities if rivers, lakes or sewers are contaminated.

6.3. Methods and material for containment and cleaning up

Contain spilled material with non-combustible absorbent material (e.g. sand, earth, vermiculite, diatomaceous earth) and place in designated containers for disposal in accordance with local regulations (see Section 13). Clean subsequently with cleaning agents; do not use solvents.

6.4. Reference to other sections

Observe protective regulations (see Sections 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Measures for safe handling: Prevent the formation of flammable or explosive vapour concentrations in the air and avoid exceeding occupational exposure limits. Use the material only in areas where open lights, fire and other ignition sources are kept away. Electrical equipment must be protected according to recognised standards. The material can become electrostatically charged. Ensure grounding of containers, equipment, pumps and extraction systems. Wearing antistatic clothing and shoes is recommended. Floors should be conductive. Keep away from heat sources, sparks and open flames. Use only non-sparking tools. Avoid contact with skin, eyes and clothing. Do not breathe dust, particles or spray mist when using this preparation. Avoid inhaling grinding dust. Do not eat, drink or smoke during use. Personal protection: see Section 8. Never use pressure to empty the container — not a pressure container. Always store in containers made of the same material as the original container. Follow statutory protective and safety regulations.

Measures against fire and explosion: Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store in accordance with the German Ordinance on Industrial Safety. Keep container tightly closed. Never use pressure to empty the container — not a pressure container. No smoking. Keep unauthorised persons away. Keep container tightly closed and upright to prevent leakage. Floors must comply with the guidelines for prevention of ignition hazards due to electrostatic discharge (TRBS 2153).

Information on storage with other substances or preparations: Keep away from strong acids and alkaline materials such as oxidising agents.

Further information on storage conditions: Observe the recommendations on the label. Store in a well-ventilated, dry place at 15 °C to 30 °C. Protect from heat and sunlight. Keep container tightly closed. Remove ignition sources. No smoking. Keep unauthorised persons away. Store container tightly closed and upright to prevent leakage.

7.3. Specific end use(s)

Refer to the technical data sheet with explanations and instructions. Read the instructions before use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Xylene, mixture of isomers

EU Identification No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

NDS, STEL: 100 ppm

Additional information: TWA: occupational exposure limit for long-term exposure. STEL: occupational exposure limit for short-term exposure. Ceiling: peak limitation.

DNEL

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (EC 919-857-5 / CAS 64742-48-9):

Long-term dermal (systemic), workers: 208 mg/kg

Long-term inhalation (systemic), workers: 871 mg/m³

Short-term oral (acute), consumers: [not stated]

Long-term dermal (systemic), consumers: 125 mg/kg

Long-term inhalation (systemic), consumers: 185 mg/m³

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (EC 927-241-2 / CAS 64742-48-9):

Long-term dermal (systemic), workers: 208 mg/kg

Long-term inhalation (systemic), workers: 871 mg/m³

Short-term oral (acute), consumers: [not stated]

Long-term oral (repeated), consumers: [not stated]

Long-term dermal (systemic), consumers: 125 mg/kg

Long-term inhalation (systemic), consumers: 185 mg/m³

8.2. Exposure controls

Ensure good ventilation. This can be achieved by local extraction or room ventilation. If this is not sufficient to keep aerosol and solvent vapour concentrations below occupational exposure limits, suitable respiratory protective equipment must be worn.

Occupational exposure controls — Respiratory protection: If the solvent concentration exceeds occupational exposure limits, suitable approved respiratory protective equipment must be worn. Observe the wearing-time limitations according to GefStoffV together with the rules for the use of respiratory protective equipment (BGR 190). Only respiratory protection masks with CE marking including the four-digit identification number may be used.

Hand protection: For prolonged or repeated handling, use glove material NBR (nitrile rubber), thickness >0.4 mm; breakthrough time (maximum wearing time) >480 min. Follow the glove manufacturer's instructions regarding use, storage, maintenance and replacement. Breakthrough time depends on glove material thickness and the duration of skin exposure. Recommended gloves: DIN EN 374. Protective creams may help protect exposed skin; after contact with the product they must not be used.

Eye protection: Wear tightly fitting protective goggles where there is a risk of spraying.

Body protection: Wear antistatic clothing made of natural fibre (cotton) or heat-resistant synthetic fibres.

Protective measures: After contact, clean skin surfaces thoroughly with water and soap or a suitable cleaning agent.

Environmental exposure controls: Do not discharge into drains or open waters. See Section 7. No additional measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	See label
Odour	Characteristic
Odour threshold	Not applicable
pH at 20 °C	Not applicable
Melting/freezing point	Not applicable
Initial boiling point and boiling range	108 °C (method DIN 53171)
Flash point	25 °C (method DIN 53213-1; replaced by EN ISO 1523)
Evaporation rate	0.5 mg/s
Lower explosion limit	0.6 vol-%
Upper explosion limit	7 vol-%
Vapour pressure at 20 °C	0.2722 mbar

Relative density / density at 20 °C	0.96 g/cm ³
Water solubility at 20 °C	Not soluble in water
Auto-ignition temperature	> 200 °C
Decomposition temperature	Not applicable
Viscosity at 20 °C	180 s 4 mm (method TM 33a)
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

Solids content: 54 wt-%

Solvent content — organic solvents: 45 wt-%

Water: 0 wt-%

Solvent separation test: <3 wt-% (ADR/RID)

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when the recommended storage and handling regulations are applied. Further information on proper storage: see Section 7.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

High temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

10.6. Hazardous decomposition products

High temperatures may produce hazardous decomposition products, e.g. carbon dioxide, carbon monoxide, smoke and nitrogen oxides.

SECTION 11: Toxicological information

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

No data are available for the preparation itself.

11.1. Information on toxicological effects

Acute toxicity

Xylene, mixture of isomers: oral LD50, rat 3523–8700 mg/kg; dermal LD50, rabbit >2000 mg/kg.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: oral LD50, rat >5000 mg/kg (OECD 401); dermal LD50, rabbit >5000 mg/kg (OECD 402); inhalation LC50, rat 4951 ppmV (4 h) (OECD 403).

Skin irritation / serious eye damage or eye irritation: Xylene, mixture of isomers — skin (4 h); eyes.

Respiratory or skin sensitisation: Toxicological data are not available.

CMR effects (carcinogenic, mutagenic and reproductive toxicity): 2-ethylhexanoate, zirconium salt — reproductive toxicity.

Specific target organ toxicity: Xylene, mixture of isomers — specific target organ toxicity (single exposure), irritation; specific target organ toxicity (repeated exposure).

Aspiration hazard: Xylene, mixture of isomers — aspiration hazard. Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics — aspiration hazard. Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics — aspiration hazard.

Practical/human experience: Inhalation of solvents in concentrations above the occupational exposure limit may be harmful to health and may irritate mucous membranes and respiratory organs and affect the liver, kidneys and central nervous system. Symptoms include headache, dizziness, fatigue, muscle weakness and intoxication; in severe cases, unconsciousness. Solvents may cause some of the above effects through skin absorption. Repeated or prolonged exposure may remove skin oils and result in non-allergic contact eczema. Splashes may cause eye irritation and reversible injury.

Summary assessment of CMR properties: The constituents of this mixture do not meet the criteria for CMR categories 1A or 1B according to CLP.

Note: No data are available for the preparation itself.

SECTION 12: Ecological information

Overall assessment: Classification according to Regulation (EC) No. 1272/2008 [CLP]. No data are available for the preparation itself. Do not discharge into drains or open waters.

12.1. Toxicity

Xylene, mixture of isomers: Daphnia toxicity, EC50, Daphnia magna: 1–165 mg/l (48 h).

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics: fish toxicity LC50 >1000 mg/l (96 h); Daphnia toxicity EC50 >1000 mg/l (48 h); algae toxicity ErC50 >1000 mg/l.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: fish toxicity LC50, Oncorhynchus mykiss (rainbow trout): 10–30 mg/l (96 h); Daphnia toxicity EC50, Daphnia magna: 22–46 mg/l (48 h); algae toxicity ErC50, Pseudokirchneriella subcapitata: >1000 mg/l.

Long-term ecotoxicity: Xylene, mixture of isomers — fish toxicity LC50, Lepomis macrochirus (bluegill): (96 h).

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics — fish NOEC 0.131 mg/l; Daphnia NOEC 0.23 mg/l.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics — fish LC50 (96 h); fish NOEC 0.131 mg/l; Daphnia NOEC 0.23 mg/l.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics: log distribution coefficient n-octanol/water 5–6.7.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: log distribution coefficient n-octanol/water 5–6.7.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product — disposal instructions / recommendation: Do not discharge into drains or open waters. Dispose of this substance and its container safely. Waste disposal in accordance with Directive 2008/98/EC on waste and hazardous waste.

Recommended waste code / waste designation according to EWC: 080111 — Waste paint and varnish containing organic solvents or other hazardous substances.

Packaging — recommendation: Uncontaminated and completely empty packaging may be reused. Packaging that has not been emptied in accordance with regulations is special waste.

SECTION 14: Transport information

14.1. UN number

UN 1263

14.2. UN proper shipping name

Land transport (ADR/RID): PAINT

Sea transport (IMDG): PAINT

Air transport (ICAO-TI / IATA-DGR): Paint

14.3. Transport hazard class(es)

Land transport (ADR/RID): Not goods of Class 3; for packages >450 l: Class 3.

Sea transport (IMDG): 3; for packages <30 litres: transport in accordance with 2.3.2.5 of the IMDG Code.

Air transport (ICAO-TI / IATA-DGR): 3.

14.4. Packing group

III

14.5. Environmental hazards

Land transport (ADR/RID): Not applicable.

Marine pollutant: Not applicable.

14.6. Special precautions for user

Always transport in closed, upright and secure containers. Ensure that persons transporting the product know what to do in the event of an accident or product leakage. Measures for safe handling: see Sections 6–8.

Further information:

Land transport (ADR/RID) — tunnel restriction code: D/E

Sea transport (IMDG) — EmS number: F-E, S-E

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

EU regulations: Directive 2010/75/EU on industrial emissions.
VOC value (g/L): 437

National regulations — information on employment restrictions:
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe employment restrictions under the law on the protection of young people at work (94/33/EC).

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following substances in this preparation:

EC No.	CAS No.	Chemical name	REACH No.
919-857-5	64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	01-2119463258-33-XXXX
927-241-2	64742-48-9	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	01-2119471843-32-0000
215-535-7	1330-20-7	Xylene, mixture of isomers	01-2119488216-32-XXXX

SECTION 16: Other information

Full text of classifications referred to in Section 3:

Flam. Liq. 3 / H226 — Flammable liquid and vapour.

Asp. Tox. 1 / H304 — May be fatal if swallowed and enters airways.

STOT SE 3 / H336 — Specific target organ toxicity (single exposure). May cause drowsiness or dizziness.

Aquatic Chronic 3 / H412 — Harmful to aquatic life with long lasting effects.

Acute Tox. 4 / H312 — Harmful in contact with skin.

Acute Tox. 4 / H332 — Harmful if inhaled.

Skin Irrit. 2 / H315 — Causes skin irritation.

Eye Irrit. 2 / H319 — Causes serious eye irritation.

STOT RE 2 / H373 — May cause damage to organs through prolonged or repeated exposure (route of exposure as applicable).

STOT SE 3 / H335 — Specific target organ toxicity (single exposure). May cause respiratory irritation.

Repr. 2 / H361 — Suspected of damaging the unborn child.

. Abbreviations and acronyms

For an explanation of abbreviations and acronyms, see <http://abk.esdcscom.eu>

. Further information

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

The information in this safety data sheet is based on our current knowledge and complies with national and EU provisions. Without written permission, the product may not be used for any purpose other than that stated in Section 1. It is always the user's responsibility to take all necessary measures to comply with the requirements laid down in local regulations and laws. The information in this safety data sheet describes the safety requirements applicable to our product and does not constitute a guarantee of product properties.

* Data changed compared with previous versions.

English translation prepared from the supplied Dutch Safety Data Sheet, Article No. 14061820, Version 7.1, dated 12 April 2018. The original document remains the source document.