Safety Data Sheet

WK Fett-, Öl- & Harzentferner Alu – according to Regulation (EC) No 1907/2006 (REACH), Annex II

Issue date: 18 October 2026

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

1.1 Product identifier

Trade name: WK Fett-, Öl- & Harzentferner Alu.

1.2 Relevant identified uses and uses advised against

Professional and industrial use as a non-abrasive general-purpose cleaner (PC-CLN-2), particularly for removing grease, oil and resin deposits. Follow the instructions for use and check material compatibility.

1.3 Details of the supplier of the safety data sheet

Wandelkraft Chemie GmbH · Eichelsweg 6 · 64367 Mühltal · Germany
Telephone: +49 171 3560169 · Email: office@wandelkraft24.com

1.4 Emergency telephone number

+49 171 3560169

SECTION 2: Hazards identification

2.1 Classification of the mixture

The mixture is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

EUH210: Safety data sheet available on request. No CLP hazard pictograms are required based on the stated classification of the mixture.

2.3 Other hazards

Based on available substance information, the constituents do not meet the PBT or vPvB criteria under REACH Annex XIII. No endocrine-disrupting properties are known according to the relevant statutory assessment criteria. No other hazards are known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Butyl diglycol	CAS 112-34-5 · EC 203-961-6 · REACH 01-2119475104-44-XXXX · ≥ 1 to < 5 wt.% · Eye Irrit. 2, H319

The full wording of H319 is given in Section 16. The classification of the ingredient must be distinguished from the classification of the mixture.

SECTION 4: First aid measures

4.1 Description of first aid measures

General	Seek medical advice if symptoms occur or in case of doubt. Never give anything by mouth to an unconscious person or a person having convulsions.
Inhalation	If respiratory irritation occurs, seek medical advice and move the affected

	person to fresh air.
Skin contact	Wash affected skin thoroughly with plenty of water and soap. Apply a moisturising skin cream if necessary.
Eye contact	Immediately rinse eyes with running water for 10–15 minutes while holding eyelids open; protect the unaffected eye and arrange an ophthalmological examination.
Ingestion	Rinse mouth. If the person is conscious and able to swallow, give one glass of water slowly in small sips. Do not induce vomiting; obtain medical attention without delay.

4.2 Most important symptoms and effects, both acute and delayed

Repeated or prolonged skin contact may remove natural oils from the skin and cause irritation. No further specific symptoms are known.

4.3 Indication of any immediate medical attention and special treatment needed

No special measures specified; treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable: water, foam, dry extinguishing powder, carbon dioxide, sand, nitrogen or fire blanket. Unsuitable: full water jet. Adapt firefighting measures to the surrounding fire.

5.2 Special hazards arising from the mixture

The product itself is not combustible. Carbon monoxide and carbon dioxide may be released in a fire.

5.3 Advice for firefighters

Use self-contained breathing apparatus where required. Remove intact containers from the danger area if safe to do so.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Spilled product may create a slipping hazard. Wear suitable personal protective equipment and avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent entry into sewers, surface waters, soil and subsoil.

6.3 Methods and material for containment and cleaning up

Promptly absorb spilled liquid with suitable absorbent material, such as cloths or fleece. Subsequently clean the affected surfaces with plenty of water and dispose of collected material as specified in Section 13.

6.4 Reference to other sections

Handling: Section 7; personal protection: Section 8; disposal: Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Close containers tightly after use. Avoid contact with skin and eyes where possible. Follow the product-specific instructions for use.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container and protect from frost. Storage class according to German TRGS 510: 12.

7.3 Specific end use(s)

Observe the instructions for use and technical data sheet. Before use, test material compatibility in a suitably inconspicuous place, especially on sensitive surfaces and aluminium alloys.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Butyl diglycol (CAS 112-34-5)	German TRGS 900: OEL 10 ppm / 67 mg/m³; short-term excursion factor 1.5(I); notation Y. EU TWA: 10 ppm / 67.5 mg/m³; EU STEL: 15 ppm / 101.2 mg/m³.
Biological limit values / RCP	No RCP-derived occupational exposure limit applies to the mixture.
Worker DNEL, inhalation	Butyl diglycol: 67.5 mg/m³ (long-term, local); 101.2 mg/m³ (short-term, local).
Consumer DNEL, oral	Butyl diglycol: 6.25 mg/kg body weight/day (long-term, systemic).

Environmental PNEC values for butyl diglycol: fresh water 1.1 mg/l; intermittent releases to water 11 mg/l; seawater 0.11 mg/l; freshwater sediment 4.4 mg/kg dry weight; marine sediment 0.44 mg/kg dry weight; soil 0.32 mg/kg dry weight; secondary poisoning 56 mg/kg food. Take these values into account in the relevant risk assessments.

8.2 Exposure controls

Eye/face protection	Wear safety goggles complying with EN 166 where splashing is possible.
Hand protection	Chemical-resistant gloves complying with EN 374, nitrile rubber (NBR), material thickness 0.4 mm; reported breakthrough time 480 minutes. Verify the glove model and actual wearing time for the specific task.
Respiratory protection	Not required under normal conditions of use. If relevant exposure limits are exceeded, use suitable respiratory protective equipment with type A filter; observe German DGUV Rule 112-190.
Hygiene	Do not eat, drink or smoke during work. Wash hands thoroughly after use and launder contaminated clothing before reuse. Do not carry product-soaked cloths in clothing pockets.

The absorption of contaminants or mixing with other substances may produce mixtures with different hazardous properties. Personal protective equipment must therefore be selected in line with actual conditions of use and the workplace risk assessment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state / colour	liquid / colourless
Odour	characteristic
Freezing point	approx. 0 °C (1013 hPa)
Initial boiling point	approx. 100 °C (1013 hPa)
Flash point	not relevant (DIN EN ISO 13736)
Auto-ignition temperature	no value reported
Flammability	not flammable
Explosion limits	not relevant
Vapour pressure	at 50 °C: not relevant
Density	approx. 1.007 g/cm³ at 20 °C
Water solubility	fully miscible with water at 20 °C
pH	approx. 8.6 at 20 °C
Kinematic viscosity	< 30 mm²/s at 20 °C
Relative vapour density	not determined
Maximum VOC content, EU	0 wt.%
Maximum VOC content, Switzerland	2 wt.%
VOC content subject to levy, Switzerland	2 wt.%

9.2 Other information – key terms explained

Combustibility	Whether a substance can burn under suitable conditions.
Flammability	How readily a substance ignites; the flash point is one important parameter for liquids.
Flash point	Lowest temperature at which a liquid produces enough combustible vapour to ignite briefly under standard test conditions.
Auto-ignition temperature	Temperature at which spontaneous ignition may occur under defined test conditions without an external ignition source.
Boiling point	Temperature at which a liquid begins to boil at a given pressure.

Vapour pressure	A measure of the tendency of a liquid to evaporate.
Sustained combustion	Continued burning of a liquid after the external ignition source has been removed.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not considered reactive under normal conditions of use.

10.2 Chemical stability

Chemically stable when properly stored and used at the intended temperature.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

No particular conditions known; protect from frost during storage.

10.5 Incompatible materials

No specific information available.

10.6 Hazardous decomposition products

None known under proper conditions of use; see Section 5 for potential combustion products.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity of the mixture: acute toxicity estimates (ATE) for oral and dermal exposure are each > 2,000 mg/kg body weight; inhalation > 20 mg/l. The following test results are available for butyl diglycol: oral LD50 (mouse) 5,530 mg/kg (OECD 401); dermal LD50 (rabbit) 2,764 mg/kg (OECD 402). These are ingredient data, not measured results for the finished mixture.

Eye irritation: butyl diglycol causes serious eye irritation. Based on the available information, the classification criteria for eye irritation are not met by this mixture.

No further relevant information is available regarding skin irritation, sensitisation, carcinogenicity, mutagenicity, reproductive toxicity, specific target organ toxicity after single or repeated exposure, or aspiration hazard.

11.2 Information on other hazards

According to the available information, the mixture contains no substances meeting the applicable criteria for endocrine-disrupting properties in humans. No toxicokinetic studies are available for the finished mixture. Frequent or prolonged skin contact may have a defatting effect and cause irritation. The information is based on available substance data; the finished mixture has not been tested separately.

SECTION 12: Ecological information

12.1 Toxicity

The following aquatic toxicity data relate to the ingredient butyl diglycol (CAS 112-34-5), not to tests on the finished mixture:

Fish	LC50 = 1,300 mg/l, bluegill sunfish (Lepomis macrochirus), 96 hours, OECD 203.
Water fleas	EC50 > 100 mg/l, Daphnia magna, 48 hours, OECD 202.
Algae	EC50 > 100 mg/l, Scenedesmus subspicatus, 48 hours, OECD 201.
Microorganisms	EC10 > 1,995 mg/l, 30 minutes.

12.2 Persistence and degradability

Butyl diglycol: 95% aerobic biodegradation within 28 days, tested according to OECD 301C; readily biodegradable according to the stated OECD criteria. According to composition data, no adsorbable organically bound halogens (AOX) are present. Based on available information, the surfactants meet the biodegradability requirements of Regulation (EC) No 648/2004 on detergents.

12.3 Bioaccumulative potential

For butyl diglycol, a partition coefficient (log Kow) of 1 at 20 °C (OECD 117) is reported. Based on the available information, there is no indication of significant bioaccumulative potential.

12.4 Mobility in soil

No further information available.

12.5 Results of PBT and vPvB assessment

Based on available substance information, the constituents do not meet the PBT or vPvB criteria of REACH Annex XIII.

12.6 Endocrine-disrupting properties

According to available information, the mixture contains no substances meeting the relevant criteria for endocrine-disrupting properties in non-target organisms.

12.7 Other adverse effects

No further information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste code for unused product: 20 01 30 (detergents other than those mentioned in 20 01 29). Send product residues and containers to an appropriate disposal or recycling facility in accordance with applicable regulations. Empty packaging completely; reuse may be possible after proper cleaning. Treat contaminated, uncleaned packaging as product residues.

13.2 Additional information

Final assignment of the waste code depends on origin, use and possible contamination and must be checked for the specific operation and process.

SECTION 14: Transport information

The mixture is not classified as dangerous goods under the stated transport regulations.

14.1 UN number or ID number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

No classification as dangerous goods for transport.

14.6 Special precautions for user

No additional requirements.

14.7 Maritime transport in bulk according to IMO instruments

No bulk carriage under the IBC Code intended.

SECTION 15: Regulatory information

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

REACH Annex XVII: entries 55 and 75 should be considered where relevant to the intended uses. Observe German maternity protection employment restrictions. Ingredient declaration under Regulation (EC) No 648/2004: 5–15% non-ionic surfactants; < 5% anionic surfactants; < 5% amphoteric surfactants; < 5% phosphates. German TA Luft, item 5.2.5 I: < 5% by weight. Water hazard class under German AwSV: 1 (slightly hazardous to water). Not a flammable liquid under German BetrSichV.

15.2 Chemical safety assessment

No separate chemical safety assessment is available for the mixture.

SECTION 16: Other information

16.1 Indication of changes

Wandelkraft issue dated 18 October 2026 replaces the previous version from 2025.

16.2 Abbreviations and acronyms

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road; AGW: German occupational exposure limit; AOX: adsorbable organically bound halogens; ATE: acute toxicity estimate; AwSV: German Ordinance on Installations Handling Substances Hazardous to Water; CAS: Chemical Abstracts Service; CLP: Classification, Labelling and Packaging; DNEL: derived no-effect level; ECHA: European Chemicals Agency; LC50/EC50: concentration affecting 50% of test organisms; OECD: Organisation for Economic Co-operation and Development; PBT: persistent, bioaccumulative and toxic; PNEC: predicted no-effect concentration; REACH: EU chemicals regulation; TRGS: German technical rules for hazardous substances; VOC: volatile organic compounds; vPvB: very persistent and very bioaccumulative; WGK: German water hazard class.

16.3 Data sources

Product-specific information on composition, testing and safety, available substance data and relevant REACH, CLP and occupational safety rules. The basis for the classification assessment is documented internally.

16.4 Classification and assessment method

The mixture is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP). The assessment is based on available substance- and mixture-specific information and the CLP criteria relevant to each hazard class. The actual assessment method applied must be confirmed against the classification records as part of technical approval.

16.5 Full text of hazard and supplemental statements

H319: Causes serious eye irritation. EUH210: Safety data sheet available on request. H319 describes the classification of an ingredient listed in Section 3 and does not represent a classification of the mixture.

16.6 Training advice

Training in safe use, eye and skin protection, workplace hygiene and proper disposal is recommended.

16.7 Additional information

The information describes the safe handling of the product and does not constitute a guarantee of specific product properties. Hazardous properties may change through the uptake of contaminants or mixing with other substances. Before use, test material compatibility in a suitably inconspicuous area to reduce the risk of unwanted changes to the surface.