

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

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

1.1 Product identifiers

Identification of the substance or mixture: Kaiflex Reiniger

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

Relevant identified uses:

For cleaning.

Uses advised against:

There is no information available for use is discouraged facing.

1.3 Details of the supplier of the safety data sheet

Supplier

Kaimann GmbH

Address

Hansastraße 2-5
D-33161 Hövelhof

Information contact

Kaimann GmbH - Technik

Phone / Fax / E-Mail

+49 (0) 5257-9850-0 / +49 (0) 5257-9850-590/ E-Mail: msds@kaimann.de

1.4 Emergency telephone number

Advice Center for Poison Symptoms and Embryo Toxicology (Emergency Phone Line Berlin / Giftnotruf Berlin)

Tel.: +49 (0) 30 -1 92 40 · www.giftnotruf.de

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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

2.2 Label elements

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

The product is classified and labelled according to EC directives or corresponding national laws.

Hazard pictograms

Hazard pictograms:



Signal word: Danger.

Hazard statements:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and protective clothing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to industrial incineration plant.

Contains:

ethyl acetate
butanone

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Product description / chemical characterization

Description: Solvents/Thinner

Hazardous ingredients

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

ETHYL ACETATE	REACH No.: 01-2119475103-46 Index No.: 607-022-00-5 EC No.: 205-500-4; CAS No.: 141-78-6; Wt %: 50 – 100% Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
BUTANONE	REACH No.: 01-2119457290-43 Index No.: 606-002-00-3 EC No.: 201-159-0; CAS No.: 78-93-3; Wt %: 12.5 - 20% Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS	REACH No.: 01-2119475515-33-xxxx EC No.: 927-510-4; CAS No.: 64742-49-0; Wt %: 2.5 - 5% Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic. 2, H411; Skin. Irrit. 2, H315; STOT SE 3, H336
HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE	REACH No.: 01-2119484651-34-xxxx EC No.: 931-254-9; CAS No.: 64742-49-0; Wt %: 2.5 - 5% Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic. 2, H411; Skin. Irrit. 2, H315; STOT SE 3, H336

Additional information:

Full text of classification: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Page: 3 / 13

The information supplied on this safety data sheet complies with our current level of knowledge and is not to be regarded as guaranteed attributes of the product.

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

General information:

Take off immediately all contaminated clothing. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In all cases of doubt, or when symptoms persist, 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. In case of respiratory tract irritation, consult a physician.

Following skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Keep victim calm. Do NOT induce vomiting. Seek medical advice immediately. If medical advice is needed, have product container or label at hand.

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 Mammalian cells (with metabolic activation)

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: alcohol resistant foam, carbon dioxide, powder, spray mist, (water).

Extinguishing media which must not be used for safety reasons: strong water jet.

5.2 Special hazards arising from the substance or mixture

Inhaling hazardous decomposing products can cause serious health damage.

5.3 Special protective equipment for firefighters

Provide a conveniently located respiratory protective device.

Additional information:

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. See protective measures under point 7 and 8.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents. Provide adequate ventilation.

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

6.4 Reference to other sections

Observe protective provisions (see chapter 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. Keep container tightly closed. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. Do not breathe mist. Thorough skin-cleansing after handling the product.

Precautions 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 rooms and vessels

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Store carefully closed containers upright to prevent any leaks.

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 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorized persons. Store carefully closed containers upright to prevent any leaks. German Ordinance on Industry Safety and Health (BetrSiVO): Flammable.

7.3 Specific end uses

Observe technical data sheet. Observe instructions for use. Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

BUTANONE
INDEX No.: 606-002-00-3
EC No.: 201-159-0
CAS No.: 78-93-3
WEL, TWA: 600 mg/m³; 200 ppm
WEL, STEL: 899 mg/m³; 300 ppm

ETHYL ACETATE
INDEX No.: 607-022-00-5
EC No.: 205-500-4
CAS No.: 141-78-6
WEL, TWA: 730 mg/m³; 200 ppm
WEL, STEL: 1460 mg/m³; 400 ppm

Additional information:

TWA: long-term occupational exposure limit value

STEL: short-term occupational exposure limit value

Ceiling: peak limitation

DNEL

Workers:

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

BUTANONE
(CAS No.: 78-93-3)

Dermal:
DNEL w 1161 mg/kg bw/day (long-term, systemic)
Inhalative:
DNEL w: 600 mg/m³ (acute, systemic)

HYDROCARBONS, C7, n-ALKANES,
ISOALKANES, CYCLICS
(CAS No.: 64742-49-0)

Dermal:
DNEL w 4085 mg/kg bw/day (long-term, systemic)
Inhalative:
DNEL w 2085 mg/m³ (acute, systemic)

Consumer:

BUTANONE
(CAS No.: 78-93-3)

Oral:
DNEL c 31 mg/kg bw/day (long-term, repeated)
Dermal:
DNEL c 412 mg/kg bw/day (short-term, acute, local)
Inhalative:
DNEL c 106 mg/m³ (acute, systemic)

HYDROCARBONS, C7, n-ALKANES,
ISOALKANES, CYCLICS
(CAS No.: 64742-49-0)

Oral:
DNEL c 149 mg/kg bw/day (short-term, acute)
Dermal:
DNEL c 149 mg/kg bw/day (long-term, systemic)
Inhalative:
DNEL c 477 mg/m³ (long-term, local)

PNEC

BUTANONE
(CAS No.: 78-93-3)

PNEC soil 22.5 mg/kg (soil)
PNEC water 55.8 mg/l (freshwater)
PNEC water 55.8 mg/l (marine water)
PNEC water 55.8 mg/l (intermittent release)
PNEC water 709 mg/l (sewage treatment plant)
PNEC Secondary Poisoning: 1000 mg/kg

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.

Occupational exposure controls

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

Breathing equipment

Use breathing protection in case of insufficient ventilation (EN 14387).

Short term filter device:

Filter AX (boiling point < 61 °C); Filter A (boiling point > 60 °C).

Only when applied by spray methods, if no adequate extraction system is in place (EN 149).

Filter A/P2.

Hand protection

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile 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 DIN EN 374.
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

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 chapter 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 label
Odour:	characteristic
Odour threshold:	not applicable
pH at 20 °C:	not applicable
Melting point/freezing point:	-86 °C
	Source: butanone
Initial boiling point and boiling range:	not determined
Flash point:	-4 °C
	Method: DIN 53213-1 (08/2002: replaced by EN ISO 1523)
Evaporation rate:	not applicable
Flammability (solid, gas):	
burning time (s):	not applicable
Upper/lower flammability or explosive limits:	
Lower explosion limit:	0.6 Vol-%
Upper explosion limit:	11.5 Vol-%
	Source: Ethyl acetate
Vapour pressure at 20 °C:	83.0712 mbar
Vapour density:	not applicable
Relative density:	
Density at 20 °C:	0.87 g/cm ³
	Method: ISO 2811, part 1
Solubility(ies):	
Water solubility (g/L) at 20 °C:	partially soluble
Partition coefficient: n-octanol/water:	see section 12
Auto-ignition temperature:	200 °C
	Source: heptane, isomeric
Decomposition temperature:	not applicable
Viscosity at 20 °C:	0.44 mPa·s
Explosive properties:	not applicable
Oxidising properties:	not applicable

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

9.2 Other information

Solid content (%):	0.00 Wt %
solvent content:	
Organic solvents:	100 Wt %
Water:	0 Wt %
Solvent separation test (%):	< 3 Wt % (ADR/RID)

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

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

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

None. 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]

No data on preparation itself available.

11.1 Information on toxicological effects

Acute toxicity

ETHYL ACETATE

Oral:

LD50 oral > 5600 mg/kg (rat)

Dermal:

LD50 dermal > 18000 mg/kg (rabbit)

Inhalative (vapours):

LC50 inhalative 58 mg/l (4 h) (rat)

BUTANONE

Oral:

LD50 oral > 2193 mg/kg (rat)

Dermal:

LD50 dermal > 5000 mg/kg (rabbit)

Inhalative (vapours):

LC50 inhalative 34,5 mg/l (4 h) (rat)

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS Oral:
LD50 oral > 5840 mg/kg (rat)
Method: OECD 401
Dermal:
LD50 dermal > 2920 mg/kg (rat)
Method: OECD 402
Inhalative (vapours):
LC50 inhalative 23.3 mg/l (4 h) (rat)
Method: OECD 403

Skin corrosion/irritation; Serious eye damage/eye irritation

BUTANONE eyes, rabbit
Method: OECD 405

HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS Skin (4 h)

HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE Skin (4 h)

Respiratory or skin sensitisation:

Toxicological data are not available.

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

Toxicological data are not available.

Specific target organ toxicity

BUTANONE Specific target organ toxicity (single exposure), drowsiness

HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS Specific target organ toxicity (single exposure), drowsiness

HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE Specific target organ toxicity (single exposure), drowsiness

Aspiration hazard

HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS Aspiration hazard

HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE Aspiration hazard

Practical experience/human evidence

Other observations:

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, drowsiness, 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.

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.

SECTION 12: Ecological information

Overall evaluation

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

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1 Toxicity

ETHYL ACETATE	Fish toxicity, LC50, Pimephales promelas (fathead minnow): > 230 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 610 mg/l (48 h) Algae toxicity, ErC50, Desmodesmus subspicatus: 5600 mg/l (48 h) Bacteria toxicity, EC10, Pseudomonas putida: 2900 mg/l (16 h)
BUTANONE	Fish toxicity, LC50, Pimephales promelas (fathead minnow): 2993 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 308 mg/l (48 h) Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 2029 mg/l (96 h)

Long-term Ecotoxicity

HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS	Fish toxicity, LC50: (96 h)
--	-----------------------------

12.2 Persistence and degradability

ETHYL ACETATE	OECD 301D/ EEC 92/69/V, C.4-E: 79 % (28 D); evaluation Readily biodegradable (according to OECD criteria).
---------------	--

12.3 Bioaccumulative potential

Toxicological data are not available.

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.

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

080111: Waste paint and varnish containing organic solvents or other dangerous substances.

Packaging

Recommendation

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

SECTION 14: Transport information

14.1 UN number

UN 1993

14.2 UN proper shipping name

Land transport (ADR/RID)

Flammable liquid, n.o.s.

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S.

Air transport (ICAO-TI / IATA-DGR)

Flammable liquid, n.o.s.

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID)

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 case of an accident or leakage. Advices on safe handling see parts 6 - 8.

Further information

Land transport (ADR/RID)

tunnel restriction code

D/E

SONDERVORSCHRIFT 640D

Sea transport (IMDG)

EmS-No.

F-E, S-E

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

Regulation (EC) No. 648/2004 (Detergents regulation)

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 868

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).

Other information

Further information

MAL-KODE: 3-1

VOC Switzerland (weight fraction in %): 100

15.2 Chemical Safety Assessment

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

ETHYL ACETATE

REACH No. 01-2119475103-46

EC No. 205-500-4

CAS No. 141-78-6

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

BUTANONE	REACH No. 01-2119457290-43 EC No. 201-159-0 CAS No. 78-93-3
HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS	REACH No. 01-2119475515-33-xxxx EC No. 927-510-4 CAS No. 64742-49-0
HYDROCARBONS, C6, ISOALKANES, <5% n- HEXANE	REACH No. 01-2119484651-34-xxxx EC No. 931-254-9 CAS No. 92045-53-9

SECTION 16: Other information

16.1 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)
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
BCF: Biological Concentration Factor
CAS: Chemical Abstracts Service (division of the American Chemical Society)
CMR: Cancerogenic-mutagenic-reproductive toxic
DNEL: Derived No-Effect Level
EAK: Europäischer Abfallkatalog
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
Eye Irrit.: Serious eye damage/eye irritation
Flam. Liq.: Flammable liquids
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOEC: No Observed Effect Concentration
NOEL: No Observed Effect Level
OEL: Occupational Exposure Limits
PBT: Persistent, bioaccumulative, toxic
PNEC: Predicted No-Effect Concentration (REACH)
Repr.: Reproductive toxicity
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
Skin Irrit.: Skin corrosion/irritation
Skin Sens.: Sensitisation – Skin
STOT: Specific target organ toxicity
STOT SE: Specific target organ toxicity - Single exposure
STOT RE: Specific target organ toxicity - Repeated exposure
SVHC: Substance of Very High Concern
vPvB: very Persistent, very Bioaccumulative

16.2 Full text of classification in section 3:

Flam. Liq. 2 / H225	Flammable liquids.	Highly flammable liquid and vapour.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation.	Causes serious eye irritation.
STOT SE. 3 / H336	Specific target organ toxicity (single exposure).	May cause drowsiness or dizziness.

Safety Data Sheet

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

according to Regulation (EU) No. 453/2010

Print date: 17.07.2018

Revision date: 17.07.2018

Valid from: 17.07.2018

Version: 5

Replaces version: 4

KAIFLEX® Reiniger / Cleaner

Skin Irrit. 2 / H315

Skin corrosion/irritation.

Causes skin irritation.

Asp. Tox. 1 / H304

Aspiration hazard.

May be fatal if swallowed and enters airways.

Aquatic Chronic 2 / H411

Hazardous to the aquatic environment. Toxic to aquatic life with long lasting effects.

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.
