Safety Data Sheet
GRAFF REMOVER ULTRA NEW

Safety Data Sheet dated 20/2/2023, version 3

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

1.1. Product identifier

Mixture identification

Trade name: GRAFF REMOVER ULTRA NEW

UFI: TP33-U0RJ-500F-G715

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

Recommended use:

Detergent for hard surfaces.

Professional use (SU22) - Washing and cleaning products (PC35)

Uses advised against:

Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio

15060 Borghetto Borbera (AL) Italia

Tel. +39 0143 631.1

Competent person responsible for the safety data sheet:

regulatory.affairs@sutter.it

1.4. Emergency telephone number

+39 0143 631.1 mon-fri 9.00/17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Acute Tox. 4, Harmful if inhaled.

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye/face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.
Special Provisions:
EUH210 Only for professional use. Safety data sheet available on request.

Product contents:
non-ionic surfactants < 5 %
Allergens: benzyl alcohol
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Not Applicable, the product is a mixture.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:
>= 30% - < 40% 2-(2-BUTOXYETHOXY)ETHANOL
REACH No.: 01-2119475104-44, Index number: 603-096-00-8, CAS: 112-34-5, EC: 203-961-6
 3.3/2 Eye Irrit. 2 H319

>= 25% - < 30% 3-BUTOXY-2-PROPANOL
REACH No.: 01-2119475527-28, Index number: 603-052-00-8, CAS: 5131-66-8, EC: 225-878-4
 3.2/2 Skin Irrit. 2 H315

 3.3/2 Eye Irrit. 2 H319

>= 25% - < 30% benzyl alcohol
REACH No.: 01-2119492630-38, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9
 3.3/2 Eye Irrit. 2 H319

 3.1/4/Oral Acute Tox. 4 H302

 3.1/4/Inhal Acute Tox. 4 H332

>= 1% - < 3% ISOTRIDECANOL ETHOXYLATED
CAS: 69011-36-5
 3.3/1 Eye Dam. 1 H318

 3.1/4/Oral Acute Tox. 4 H302

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.
In case of inhalation, consult a doctor immediately and show him packing or label.

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

Acute effects:
Skin and eye irritation for contact
Irritation interior system if swallowed.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.
The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:
Wear personal protection equipment.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.
For emergency responders:
Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water. To converge the product in containment tanks.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Use localized ventilation system.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and well ventilated place.
Store away from sunlight.
Do not store in open or unlabeled containers.
Store away from heat sources.
Keep away from food, drink and feed.
Incompatible materials:
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)

None in particular, see paragraph 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture.
elow, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.
2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5
EU - TWA(8h): 67.5 mg/m3, 10 ppm - STEL: 101.2 mg/m3, 15 ppm
ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture.
Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.
2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5

Worker Industry: 67.5 mg/m3 - Consumer: 40.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 83 mg/kg - Consumer: 50 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 101.2 mg/m3 - Consumer: 60.7 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 1.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8
Worker Industry: 52 mg/kg - Consumer: 22 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day
Worker Industry: 147 mg/m3 - Consumer: 43 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 12.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/day

benzyl alcohol - CAS: 100-51-6
Worker Industry: 40 mg/kg - Consumer: 20 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects - Notes: bw
Worker Industry: 8 mg/kg - Consumer: 4 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day
Worker Industry: 110 mg/m3 - Consumer: 27 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 22 mg/m3 - Consumer: 5.4 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/day

PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5
Target: Marine water - Value: 0.11 mg/l
Target: Marine water sediments - Value: 0.44 mg/kg
Target: Microorganisms in sewage treatments - Value: 200 mg/l
Target: Soil (agricultural) - Value: 0.32 mg/kg
Target: Food chain - Value: 56 mg/kg
Target: Fresh Water - Value: 1.1 mg/l
Target: Freshwater sediments - Value: 4.4 mg/kg
Target: Air - Value: 11 mg/l

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8
Target: Marine water - Value: 0.0525 mg/l
Target: Marine water sediments - Value: 0.236 mg/kg
Target: Soil (agricultural) - Value: 0.16 mg/kg
Target: Microorganisms in sewage treatments - Value: 10 ppm
Target: Freshwater sediments - Value: 2.36 mg/kg
Target: Fresh Water - Value: 0.525 mg/l

benzyl alcohol - CAS: 100-51-6
Target: Marine water - Value: 0.1 mg/l
Target: Fresh Water - Value: 1 mg/l
Target: Air - Value: 2.3 mg/l
Target: Soil (agricultural) - Value: 0.456 mg/l
Target: Microorganisms in sewage treatments - Value: 39 mg/l
Target: Marine water sediments - Value: 0.527 mg/kg
Target: Freshwater sediments - Value: 5.27 mg/kg

8.2. Exposure controls

Eye protection:
Use close fitting safety goggles, don't use eye lens.(EN 166)
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton (EN 14605 in case of splashes or EN 13982 in case of dust)
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ex. EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480 minutes).
Due to great diversity of types, observe the operating instructions of the manufacturer with respect to substances listed in paragraph 3.2.
Respiratory protection:
Use adequate protective respiratory equipment. (eg. EN 140 or EN 149)
Thermal Hazards:
The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.
Environmental exposure controls:
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.
See also section 6.2.
Appropriate engineering controls:
No further technical checks suitable for your product under normal conditions.
See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Not applicable	--	--
Odour:	Technical	Olfactory	--
Odour threshold:	Evident	Olfactory	--
Melting point/freezing point:	Not Relevant	--	Parameter not relevant for the type of product
Boiling point or initial boiling point and boiling range:	Not Relevant	--	Parameter not relevant for the type of product
Lower and upper explosion limit:	Not Relevant	--	Parameter not relevant for the type of product
Flash point:	>60 ° C	Instrumental control	--
Auto-ignition temperature:	Not Relevant	--	Parameter not relevant for the type of product
Decomposition temperature:	Not Relevant	--	Parameter not relevant for the type of product
pH:	Not Relevant	--	Parameter not relevant for the type of product
Kinematic viscosity:	Not applicable	--	--
Solubility in water:	Partial	--	Estimated value on chemical / physical properties of components
Solubility in oil:	Partial	--	Estimated value on chemical / physical properties of

			components
Partition coefficient n-octanol/water (log value):	>1000	--	Value estimated based on the solubility of the mixture.
Vapour pressure:	Not Relevant	--	Parameter not relevant for the type of product
Density and/or relative density:	Not Relevant	--	Parameter not relevant for the type of product
Relative vapour density:	Not Relevant	--	Parameter not relevant for the type of product
Particle characteristics:			
Particle size:	Not applicable	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Viscosity:	4500 +/- 1000 cPs	Instrumental control	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Do not use in combination with other products.
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

In normal conditions no dangerous reactions of the mixture
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.
See also scetion 7.2.

10.4. Conditions to avoid

Avoid direct sunlight and exposure to heat sources.
Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

SECTION 11: Toxicological information

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

Toxicological information of the product:

GRAFF REMOVER ULTRA NEW

a) acute toxicity

The product is classified: Acute Tox. 4 H332
ATEmix - Inhalation (Vapours) 41,3534 mg/l

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

Not classified
Based on available data, the classification criteria are not met
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Mouse = 2410 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 29 ppm - Duration: 2h
b) skin corrosion/irritation:
Test: Skin Irritant No - Source: OECD 404
c) serious eye damage/irritation:
Test: Eye Irritant Yes - Source: OECD 405
d) respiratory or skin sensitisation:
Test: Skin or Resp. Sensitization Negative
e) germ cell mutagenicity:
Test: Mutagenesis Negative
f) carcinogenicity:
Test: Carcinogenicity Negative
g) reproductive toxicity:
Test: Reproductive Toxicity Negative

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3300 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 3.5 mg/l - Duration: 4h
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin Yes
c) serious eye damage/irritation:
Test: Eye Irritant Yes
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin No
i) STOT-repeated exposure:
Test: Repeated exposure No

benzyl alcohol - CAS: 100-51-6

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1620 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 4178 mg/m3 - Duration: 4h - Source: OECD 403

b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 404

c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Positive - Source: OECD 405

d) respiratory or skin sensitisation:
Test: Skin or Resp. Sensitization Negative - Source: OECD 406

e) germ cell mutagenicity:
Test: Mutagenesis Negative

f) carcinogenicity:
Test: Carcinogenicity Negative

i) STOT-repeated exposure:
Test: NOAEC - Route: Inhalation - Species: Mouse = 1072 mg/m3 - Duration: 28 days

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 555.556 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 404

c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD 405

2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5
LD50 (RAT) ORAL: 6560 MG/KG
LD50 (RABBIT) SKIN: 4120 MG/KG

benzyl alcohol - CAS: 100-51-6
LD50 (RABBIT) SKIN SINGLE DOSE: 2000 MG/KG

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Until the revision date of this document, are not available experimental data on the mixture.
Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

GRAFF REMOVER ULTRA NEW
Not classified for environmental hazards
Based on available data, the classification criteria are not met

2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1300 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus
Endpoint: EC10 - Species: Microorganisms / Effect on activated sludge: > 1995 mg/l - Duration h: 0.5

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8
a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 560 mg/l - Duration h: 96 - Notes: Poecilia reticulata
Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:
Endpoint: EC50 - Species: Microorganisms / Effect on activated sludge: > 1000 mg/l - Duration h: 3

e) Plant toxicity:
Endpoint: NOEC - Species: Algae = 560 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

benzyl alcohol - CAS: 100-51-6

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: OECD 203
Endpoint: EC50 - Species: Algae = 770 mg/l - Duration h: 72 - Notes: OECD 201
Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48 - Notes: Dapnia magna OECD 202
Endpoint: EC50 - Species: Microorganisms / Effect on activated sludge: = 390 mg/l - Duration h: 24 - Notes: ISO 8192 / ISO DIS 9509

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504 - Notes: Daphnia magna OECD 211
Endpoint: NOEC - Species: Algae = 310 mg/l - Duration h: 72

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96 - Notes: Cyprinus carpio
Endpoint: EC50 - Species: Daphnia > 1 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae > 1 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia > 1 mg/l - Duration h: 504 - Notes: Daphnia magna

c) Bacteria toxicity:
Endpoint: EC10 - Species: Microorganisms / Effect on activated sludge: > 10000 mg/l - Duration h: 17

12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5
Biodegradability: Readily biodegradable - Test: OECD 301C - Duration: 28 days - %: 80-90

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8
Biodegradability: Readily biodegradable - Duration: 28 days - %: 90 - Notes: OECD 30

benzyl alcohol - CAS: 100-51-6
Biodegradability: Readily biodegradable - Notes: OECD 301C & 301A

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5
Biodegradability: Readily biodegradable - Test: CO2 production - Duration: 28 days - %: >60
Test: OECD 301E - %: 90

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

2-(2-BUTOXYETHOXY)ETHANOL - CAS: 112-34-5

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.56

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

Bioaccumulation: Slightly bioaccumulative - Test: Log Pow - Partition coefficient 1.2

benzyl alcohol - CAS: 100-51-6

Test: BCF - Bioconcentrantion factor 1.37

Test: Kow - Partition coefficient 1.05 - Notes: 20°C

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

Mobility in soil: Mobile

benzyl alcohol - CAS: 100-51-6

15.7 - Notes: Koc/Kow

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains.

See also section 6.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

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

ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.
A Chemical Safety Assessment has been carried out for the mixture.
No Chemical Safety Assessment has been carried out for the mixture.
Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1

Eye Irrit. 2	3.3/2	Eye irritation, Category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878.
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	**Classification procedure**
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EC0/10/20/50/100:	Effective concentration, for 0/10/20/50/100 percent of test population.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC0/10/20/50/100:	Lethal concentration, for 0/10/20/50/100 percent of test population.
LD0/10/20/50/100:	Lethal dose, for 0/10/20/50/100 percent of test population.
NOEC:	No Observed Effect Concentration
NOAEL(R)/NOAEC:	No Observed Adverse Effect Level(Repeated)/Concentration
OECD:	Organisation for Economic Co-operation and Development

PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

ANNEX I

PROFESSIONAL PRODUCT – DETERGENT FOR HARD SURFACES

Title of exposure scenario	
Detergent for general cleaning: Manual process.	
Use description	
Sector Use	SU22 – Professional use
Product Category	PC35 – Washing and cleaning products (including solvent based products)
Description of activities/process considered on exposure scenario.	
Diluite with water as specified on the label, if necessary.	
Use following the use instruction as specified on the label.	
Leave on.	
Rinse, if necessary.	
Frequency and duration	
Use phase	- 1 time a day for daily cleaning detergents - Periodical for specific detergents
Relevant limit values of ingredients, if available, are stated in section 8 of the SDS.	
Physical appearence and concentration	
Liquid. To dilute or ready to use.	
In section 2 of the SDS of product and on the label, the classification of mixture is provided.	
Mixture classification is based on ingredients classification and on chemical/physical properties stated in section 9 of the SDS of product.	
Use conditions	
Room temperature	
Good general ventilation at workplace is sufficient.	
Protection	
See section 8 of the SDS of product to more information on PPE.	Training of worker to use and maintenance of PPE is supposed.
Don’t eat or drink, don’t smoke.	Avoid contact with damaged skin.
No open flame.	Do not use in combination with other products
Wash hand after use.	
In case of accidental release: dilute with water and dry.	
See section 6 of the SDS in case of accidental release	
Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene practices as specified in section 7 on the SDS.	
Environmental measures	
See section 6 of the SDS in case of accidental release	
See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.	
See section 13 of the SDS for disposal considerations.	

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment