Safety Data Sheet
REVEAL STRONG

Safety Data Sheet dated 5/1/2024, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: REVEAL STRONG – RESIDUE REMOVER

Trade code: 9.REVEALH750 – 9.REVEALH5L

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

Recommended use:

Removal and cleaning of the surface from residues of abrasive paste

Uses advised against:

All not indicated in the suggested uses.

1.3. Details of the supplier of the safety data sheet

Company:

RUPES SPA - Via Marconi 3A - Loc. Vermezzo 20071 Vermezzo con Zelo (MI) – Italy

RUPES SPA - Telefono n°+3902946941

Competent person responsible for the safety data sheet:

info_rupes@rupes.it

1.4. Emergency telephone number

Country	Emergency number	Country	Emergency number
Austria	+43 01406 43 43 (24/7)	Ireland	+353 01 809 2566 (24/7)
Belgium	+ 32 070 245 245 (24/7)	Latvia	+371 67042473 (24/7) 112
Bulgaria	+359 2 9154 233 (24/7)	Lithuania	+370 (85) 2362052 (24/7)
Croatia	+3851 2348 342 (24/7)	Luxembourg	+352 8002 5500 (24/7)
Cyprus	1401 (24/7)	Malta	112
Czech Republic	+420 224 919 293 (24/7)	Netherlands	+31 (0) 88 755 8000 (24/7)
Denmark	+45 8212 1212	Norway	+47 22 59 13 00 (24/7)
Estonia	+372 7943 794 (24/7) 16662 (National, 24/7)	Poland	112
Finland	+ 358 0800 147 111 (24/7)	Portugal	+351 800 250 250 (24/7)
France	+33 (0)1 45 42 59 59 (24/7)	Romania	+40 (0) 021318 3606 (24/7)
Germany	112	Slovakia	+421 2 5477 4166 (24/7)
Greece	+0030 2107793777 (24/7)	Slovenia	112
Hungary	+36 80 201 199 (24/7)	Spain	+ 34 91 562 04 20
Iceland	+354 5432222 (24/7) - 112	Sweden	112

Safety Data Sheet
REVEAL STRONG

For United States, Canada Puerto Rico and Virgin Island: 1-800-255-3924
For China: 400-120-0751
For Brazil: 0-800-591-6042
For India: 000-800-100-4086
For Mexico: 01-800-099-0731
For Europe and all the other countries: 001-813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)


Danger, Flam. Liq. 2, Highly flammable liquid and vapour.


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


Warning, STOT SE 3, May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:
No other hazards
2.2. Label elements
Hazard pictograms:

Danger
Hazard statements:
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
Precautionary statements:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing vapours.
P280 Wear protective gloves/clothing.
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.
P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
P378 Use a foam fire extinguisher to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
Special Provisions:
None
Contains
1-methoxy-2-propanol; monopropylene glycol methyl ether
ethyl acetate

propan-2-ol; isopropyl alcohol; isopropanol
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
N.A.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number		Classification
>= 25% - < 50%	ethanol; ethyl alcohol	Index number: CAS: EC:	603-002-00-5 64-17-5 200-578-6	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319
>= 25% - < 50%	propan-2-ol; isopropyl alcohol; isopropanol	Index number: CAS: EC:	603-117-00-0 67-63-0 200-661-7	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336
>= 10% - < 25%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: CAS: EC:	603-064-00-3 107-98-2 203-539-1	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>= 1% - < 2%	ethyl acetate	Index number: CAS: EC:	607-022-00-5 141-78-6 205-500-4	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336 EUH066

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 immediatley 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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

foam fire extinguisher. CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

Water.

5.2. Special hazards arising from the substance or mixture

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Clear spills immediately

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.

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

Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: direct sunlight, heat and ignition sources
Always keep in a well ventilated place.
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
See subsection 10.5
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

Removal and cleaning of the surface from residues of abrasive paste

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethanol; ethyl alcohol - CAS: 64-17-5
- OEL Type: ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr
- OEL Type: WEL - TWA: 1920 mg/m3, 1000 ppm

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
- OEL Type: WEL - TWA(8h): 999 mg/m3, 400 ppm
- OEL Type: WEL - STEL(15min): 1250 mg/m3, 500 ppm
- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
- OEL Type: EU - TWA(8h): 375 mg/m3, 100 ppm - STEL: 563 mg/m3, 150 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr

ethyl acetate - CAS: 141-78-6
- OEL Type: EU - TWA(8h): 734 mg/m3, 200 ppm - STEL: 1468 mg/m3, 400 ppm
- OEL Type: ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

DNEL Exposure Limit Values

ethanol; ethyl alcohol - CAS: 64-17-5
Consumer: 87 mg/kg bw/day - Exposure: Human Oral - Frequency: Short Term, systemic effects
Consumer: 950 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute)
Consumer: 114 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 343 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 950 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Consumer: 26 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 319 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 89 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 888 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 500 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Worker Industry: 369 mg/m3 - Consumer: 43.9 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 553.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 50.6 mg/kg bw/day - Consumer: 18.1 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 3.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

ethyl acetate - CAS: 141-78-6
Worker Professional: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 734 mg/m3 - Consumer: 367 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 734 mg/m3 - Consumer: 367 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 63 mg/kg bw/day - Consumer: 37 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 4.5 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

ethanol; ethyl alcohol - CAS: 64-17-5
Target: Soil (agricultural) - Value: 0.63 mg/kg
Target: Microorganisms in sewage treatments - Value: 580 mg/l
Target: Marine water - Value: 0.79 mg/l
Target: Marine water sediments - Value: 2.9 mg/kg
Target: Fresh Water - Value: 0.96 mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Target: Soil (agricultural) - Value: 28 mg/kg
Target: Marine water - Value: 104.9 mg/l
Target: Marine water sediments - Value: 552 mg/kg
Target: Fresh Water - Value: 552 mg/kg
Target: Freshwater sediments - Value: 140.9 mg/kg

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Target: STP - Value: 100 mg/l
Target: gro - Value: 2.47 mg/kg
Target: Freshwater sediments - Value: 52.3 mg/kg
Target: Marine water sediments - Value: 1 mg/l
Target: Fresh Water - Value: 10 mg/l

Target: Soil (agricultural) - Value: 4.59 mg/kg
ethyl acetate - CAS: 141-78-6
Target: Soil (agricultural) - Value: 0.24 mg/kg
Target: Marine water - Value: 0.026 mg/l
Target: Fresh Water - Value: 0.26 mg/l
Target: Marine water sediments - Value: 0.125 mg/kg
Target: Freshwater sediments - Value: 1.25 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Blue	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	75 ° C	--	--
Flammability:	Flammable	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	15 ° C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	7,0	--	--
Kinematic viscosity:	1,10mm2/sec	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	Approx 0.9 g/ml	--	--
Relative vapour density:	N.A.	--	--

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known
10.2. Chemical stability
stable under normal conditions
10.3. Possibility of hazardous reactions
No dangerous reactions known
10.4. Conditions to avoid
Stable when stored as recommended. Refer to section 7
10.5. Incompatible materials
strong oxidizing agents
Strong acids. Strong bases
10.6. Hazardous decomposition products
carbon monoxide (CO) and carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
ethanol; ethyl alcohol - CAS: 64-17-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 6200 mg/kg - Source: IUCLID
Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg - Source: OECD TG 402
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 8000 mg/l - Duration: 4h
b) skin corrosion/irritation:
Test: EC52 - Route: Skin - Species: Rabbit Negative
c) serious eye damage/irritation:
Test: EC52 - Route: ocular - Species: Rabbit Positive
d) respiratory or skin sensitisation:
Test: EC52 - Route: Skin - Species: Guinea pig Negative
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
a) acute toxicity:
Test: LC50 - Route: Oral - Species: Rat = 5.84 g/kg - Duration: 14D - Source: ECHA database
Test: LC50 - Route: Skin - Species: Rat = 10000 ppm - Duration: 6h
Test: LC50 - Route: Skin - Species: Rabbit = 16.4 ml/kg - Duration: 14D
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Duration: 4h
c) serious eye damage/irritation:
Test: Eye Irritant - Route: ocular - Species: Rabbit Positive - Duration: 14D
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: Guinea pig Negative - Duration: 96h
e) germ cell mutagenicity:
Test: Genotoxicity - Species: Salmonella Typhimurium Negative - Duration: 48h
f) carcinogenicity:

Test: Carcinogenicity - Route: Inhalation - Species: Rat Negative
i) STOT-repeated exposure:
Test: R05 - Route: Inhalation - Species: Rat 5000 mg/l
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 4016 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LCO - Route: Inhalation - Species: Rat > 7000 ppm - Duration: 6h
f) carcinogenicity:
Test: R05 - Route: Inhalation Vapour - Species: Rat = 3000 ppm - Source: OECD 453
g) reproductive toxicity:
Test: R05 - Route: Inhalation Vapour - Species: Rat = 1000 ppm - Source: OOECD 416
ethyl acetate - CAS: 141-78-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5620 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 18000 mg/kg
b) skin corrosion/irritation:
Route: Skin - Species: Rabbit - Notes: no skin irritation (IUCLID)
c) serious eye damage/irritation:
Route: ocular - Notes: causes severe eye irritation (Reg. EU 1272/2008 annex VI (table 3.1/3.2)
d) respiratory or skin sensitisation:
Test: EC52 - Species: Guinea pig Negative - Notes: guideline 406 test OECD

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

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.
ethanol; ethyl alcohol - CAS: 64-17-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 8140 mg/l - Duration h: 96
Endpoint: ErC50 - Species: Algae > 100 mg/l - Notes: OECD TG 201
Endpoint: EC50 - Species: Daphnia = 9268-14221 mg/l - Duration h: 48 - Notes: IUCLID

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 9.6 mg/l - Notes: 9d
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish = 9640 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia > 10000 mg/l - Duration h: 24
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 20800 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 21100 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 168
ethyl acetate - CAS: 141-78-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 230 mg/l - Duration h: 96
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia 2.4 mg/l - Notes: duration 21d
e) Plant toxicity:
Endpoint: NOEC - Species: Algae > 100 mg/l - Duration h: 72 - Notes: giudeline 201 test NOEC

12.2. Persistence and degradability
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Biodegradability: Readily biodegradable - Test: Oxygen consumption - Duration h: 5D
12.3. Bioaccumulative potential
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Bioaccumulative - Test: Kow - Partition coefficient 0.43 - Notes: 25°C
12.4. Mobility in soil
N.A.
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
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
Additional disposal information:
Dispose in a safe manner in accordance with local/national regulations

SECTION 14: Transport information

14.1. UN number or ID number

ADR-UN number:	1987
RID-UN Number:	1987
ADN-UN Number:	1987
IATA-Un number:	1987
IMDG-Un number:	1987

14.2. UN proper shipping name

ADR-Shipping Name:	ALCOLI N.A.S.(ETANOLO, ISOPROPANOLO)
RID-Shipping Name:	N.A.
ADN-Shipping Name:	N.A.
IATA-Shipping Name:	ALCOHOLS N.O.S. (ETHANOL, ISOPROPANOL)
IMDG-Shipping Name:	ALCOHOLS N.A.S. (ETHANOL, ISOPROANOL)

14.3. Transport hazard class(es)

ADR-Class:	3	ADR-Label:	3
ADR - Hazard identification number:	33		
RID-Class:	3		
ADN-Class:	3		
IATA-Class:	3	IATA-Label:	3
IMDG-Class:	3		

14.4. Packing group

RID-Packing Group:	II	ADN-Packing Group:	II
ADR-Packing Group:	II	IATA-Packing group:	II
IMDG-Packing group:	II		

14.5. Environmental hazards

Marine pollutant:	No
IMDG-EMS:	F-E, S-D

14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code):	D/E	
IATA-Passenger Aircraft:	5L	Special provision: A180
IATA-Cargo Aircraft:	60L	

14.7. Maritime transport in bulk according to IMO instruments

N.A.

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)
Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

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

Restrictions related to the product:

Restriction 3
Restriction 40

Restrictions related to the substances contained:

Restriction 75

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

Product belongs to category: P5c

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H226 Flammable liquid and vapour.
EUH066 Repeated exposure may cause skin dryness or cracking.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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
Flam. Liq. 2, H225	On basis of test data
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	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.
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.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
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.