

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

78
Version 4.0

DUROX Rost-Umwandler
Revision date 20 Mar 2026

Print date 20 Mar 2026

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

1.1 Product identifier

Trade name/designation

78 DUROX Rost-Umwandler
UFI: XRD0-C6QR-399S-36F5

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

Relevant identified uses

Coating material to protecting surfaces

1.3 Details of the supplier of the safety data sheet

Supplier

Knuchel Farben AG
Steinackerweg 13 Telephone: +41 32 63650-40
4537 Wiedlisbach E-mail: info@knuchel.ch
Switzerland Website: www.knuchel.ch

Department responsible for information

E-mail (competent person) Info@knuchel.ch

1.4 Emergency telephone number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

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

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 Narcotic effects H336 May cause drowsiness or dizziness.

2.2 Label elements

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

Hazard pictograms



GHS02 GHS07

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapours.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves and eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

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P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.
P312	Call a POISON CENTER if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
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.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

propan-2-ol

Supplemental hazard information

EUH208 Contains formaldehyde. May produce an allergic reaction.

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Solventborne formulation, containing the following dangerous substances:

Hazardous ingredients

Substance name Identification number	Classification according to Regulation (EC) No 1272/2008 [CLP] SCL, M-factor, ATE	weight-%
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH No.: 01-2119457558-25	Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 ATE (dermal): = 13,900 mg/kg ATE (oral): = 5,840 mg/kg ATE (inhalative): > 25 mg/L (6 h)	50,0 < 70,0
tannic acid CAS No.: 1401-55-4 EC No.: 215-753-2	Skin Irrit. 2 H315 / Eye Irrit. 2 H319	15,0 < 20,0
Cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 Index No.: 606-010-00-7 REACH No.: 01-2119453616-35	Flam. Liq. 3 H226 / Acute Tox. 4 H332 ATE (dermal): = 948 mg/kg ATE (oral): = 1,535 mg/kg ATE (inhalative): = 11 mg/L (4 h)	7,00 < 8,00
Urea-formaldehyde resin, butylated CAS No.: 68002-18-6	Aquatic Chronic 4 H413 ATE (oral): = 730 mg/kg ATE (inhalative): = 7.85 mg/L (4 h)	1,00 < 2,00
Phenol CAS No.: 108-95-2 EC No.: 203-632-7 Index No.: 604-001-00-2 REACH No.: 01-2119471329-32	Acute Tox. 3 H301 / Acute Tox. 3 H311 / Skin Corr. 1B H314 / Acute Tox. 3 H331 / Muta. 2 H341 / STOT RE 2 H373 Specific concentration limit (SCL): Eye Irrit. 2 H319: >= 1,00 / Skin Irrit. 2 H315: >= 1,00 / Skin Corr. 1B H314: >= 3,00	0,250 < 0,300
* formaldehyde CAS No.: 50-00-0 EC No.: 200-001-8 Index No.: 605-001-00-5 REACH No.: 01-2119488953-20	Acute Tox. 4 H302 / Skin Corr. 1B H314 / Skin Sens. 1A H317 / Acute Tox. 2 H330 / Muta. 2 H341 / Carc. 1B H350 / EUH071 Specific concentration limit (SCL): Eye Irrit. 2 H319: >= 5,00 / Skin Irrit. 2 H315: >= 5,00 / Skin Corr. 1B H314: >= 25,00 / STOT SE 3 H335: >= 5,00	0,025 < 0,050

Remark

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners. Wash contaminated clothing before reuse.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Powder, spray mist, (water)

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Hazardous combustion products

Hazardous combustion products: Carbon dioxide (CO₂), Carbon monoxide, smoke, Nitrogen oxides (NO_x).

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. 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

Remove all sources of ignition. Ventilate affected area. Do not breathe vapours.

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

For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

Clean using cleansing agents. Do not use solvents.

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6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: refer to section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. Personal protection equipment: see section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Storage class LGK3 - Flammable liquids

Further information on storage conditions

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	Source	Long-term /short-term (peak limitation)
108-94-1	Cyclohexanone	WEL	41 / 82 (-) mg/m ³ (may be absorbed through the skin)
64-17-5	Ethanol	WEL	1,920 / - (-) mg/m ³
108-95-2	Phenol	WEL	7.8 / 16 (-) mg/m ³ (may be absorbed through the skin)
50-00-0	formaldehyde	WEL	2.5 / 2.5 (-) mg/m ³
67-63-0	propan-2-ol	WEL	999 / 1,250 (-) mg/m ³

Additional information

Long-term: Long-term occupational exposure limit value

short-term: short-term occupational exposure limit value

Biological limit values

CAS No.	Substance name	Source	Value/ Test material
108-94-1	Cyclohexanone	BMGV	2 mmol/mol creatinine / urine end of exposure or end of shift

DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
108-94-1	Cyclohexanone	DNEL long-term inhalative (local)	20 mg/m ³

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108-94-1	Cyclohexanone	DNEL long-term inhalative (systemic)	20 mg/m ³
108-94-1	Cyclohexanone	DNEL acute inhalative (systemic)	100 mg/m ³
108-94-1	Cyclohexanone	DNEL acute inhalative (local)	100 mg/m ³
108-94-1	Cyclohexanone	DNEL long-term dermal (systemic)	10 mg/kg bw/day
108-94-1	Cyclohexanone	DNEL acute dermal, short-term (systemic)	100 mg/kg bw/day
68002-18-6	Urea-formaldehyde resin, butylated	DNEL long-term inhalative (local)	9.5 mg/m ³
68002-18-6	Urea-formaldehyde resin, butylated	DNEL long-term inhalative (systemic)	9.5 mg/m ³
67-63-0	propan-2-ol	DNEL long-term inhalative (systemic)	500 mg/m ³
67-63-0	propan-2-ol	DNEL acute dermal, short-term (systemic)	888 mg/kg bw/day

DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
108-94-1	Cyclohexanone	DNEL long-term inhalative (local)	20 mg/m ³
108-94-1	Cyclohexanone	DNEL long-term inhalative (systemic)	20 mg/m ³
108-94-1	Cyclohexanone	DNEL acute inhalative (systemic)	50 mg/m ³
108-94-1	Cyclohexanone	DNEL acute inhalative (local)	50 mg/m ³
108-94-1	Cyclohexanone	DNEL long-term dermal (systemic)	20 mg/kg bw/day
108-94-1	Cyclohexanone	DNEL acute dermal, short-term (systemic)	30 mg/kg bw/day
108-94-1	Cyclohexanone	DNEL long-term oral (repeated)	5 mg/kg bw/day
68002-18-6	Urea-formaldehyde resin, butylated	DNEL long-term inhalative (local)	3 mg/m ³
68002-18-6	Urea-formaldehyde resin, butylated	DNEL long-term inhalative (systemic)	3 mg/m ³
68002-18-6	Urea-formaldehyde resin, butylated	DNEL acute inhalative (systemic)	9.5 mg/m ³
68002-18-6	Urea-formaldehyde resin, butylated	DNEL acute inhalative (local)	9.5 mg/m ³
67-63-0	propan-2-ol	DNEL long-term inhalative (systemic)	89 mg/m ³
67-63-0	propan-2-ol	DNEL long-term dermal (systemic)	319 mg/kg bw/day
67-63-0	propan-2-ol	DNEL long-term oral (repeated)	26 mg/kg bw/day

PNEC

CAS No.	Substance name	PNEC type	PNEC Value
108-94-1	Cyclohexanone	PNEC aquatic, intermittent release	0.329 mg/L
* 108-94-1	Cyclohexanone	PNEC aquatic, freshwater	0.0329 mg/L
108-94-1	Cyclohexanone	PNEC sewage treatment plant (STP)	10 mg/L
* 108-94-1	Cyclohexanone	PNEC aquatic, marine water	0.0032 mg/L
* 108-94-1	Cyclohexanone	PNEC soil, freshwater	0.0143 mg/kg dw
68002-18-6	Urea-formaldehyde resin, butylated	PNEC sewage treatment plant (STP)	7.2 mg/L
68002-18-6	Urea-formaldehyde resin, butylated	PNEC aquatic, freshwater	2 mg/L
68002-18-6	Urea-formaldehyde resin, butylated	PNEC sediment, marine water	1.34 mg/kg
68002-18-6	Urea-formaldehyde resin, butylated	PNEC aquatic, marine water	0.2 mg/L
68002-18-6	Urea-formaldehyde resin, butylated	PNEC sediment, freshwater	13.4 mg/kg
67-63-0	propan-2-ol	PNEC Secondary Poisoning	160 mg/kg food

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67-63-0	propan-2-ol	PNEC aquatic, intermittent release	140.9 mg/L
67-63-0	propan-2-ol	PNEC aquatic, freshwater	140.9 mg/L
67-63-0	propan-2-ol	PNEC sediment, marine water	552 mg/kg dw
67-63-0	propan-2-ol	PNEC sewage treatment plant (STP)	2,251 mg/L
67-63-0	propan-2-ol	PNEC soil, freshwater	28 mg/kg
67-63-0	propan-2-ol	PNEC sediment, freshwater	552 mg/kg dw
67-63-0	propan-2-ol	PNEC aquatic, marine water	140.9 mg/L

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.

Personal protection equipment

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.

Hand protection

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. 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: EN ISO 374

Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Eye glasses with side protection: EN 166

Body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

Remark

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 section 7. No additional measures necessary.

Section 9 - Physical and chemical properties

9.1 Basic physical and chemical properties

Physical state	Liquid
Colour	brown
Odour	characteristic
pH at 20.0 °C (10%)	3.5 - 6.5
Melting point/freezing point	not determined
Initial boiling point and boiling range	> 35 °C
Flash point	12 °C
Flammability	Highly flammable liquid and vapour.
Lower explosion limit at 20°C	not determined
Upper explosion limit at 20°C	not determined
Vapour pressure at 20 °C	30 mbar
Relative vapour density	not applicable
Density at 20 °C	0.9 +/- 0.1 kg/l
Water solubility at 20°C	partially soluble
Partition coefficient n-octanol/water (DE)	see section 12

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Auto-ignition temperature	not determined
Decomposition temperature	not determined
Viscosity	12 - 15 sec DIN 4 mm
particle characteristics	not applicable

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 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 section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

Cyclohexanone

LD50: dermal (Rabbit): = 948 mg/kg

LD50: oral (Rat): = 1,535 mg/kg

LC50: inhalative (Rat): = 11 mg/L (4 h)

Urea-formaldehyde resin, butylated

LD50: oral (Rat): = 730 mg/kg; (OECD 401)

LC50: inhalative (Rat): = 7.85 mg/L (4 h); (OECD 403)

propan-2-ol

LD50: dermal (Rabbit): = 13,900 mg/kg; (OECD 402)

LD50: oral (Rat): = 5,840 mg/kg; (OECD 401)

LC50: inhalative (Rat): > 25 mg/L (6 h); (OECD 403)

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Overall assessment on CMR properties

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

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Based on available data, the classification criteria are not met.

Practical experience/human evidence

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, Dizziness, 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.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.

propan-2-ol

= 100 mg/L

Algae toxicity

Cyclohexanone

EC50 = 32.9 mg/L (72 h)

EC10: = 3.56 mg/L (72 h)

Urea-formaldehyde resin, butylated

(Desmodesmus subspicatus): = 27 mg/L (72 h)

propan-2-ol

LOEC: = 1,000 mg/L (8 d)

EC50 (Scenedesmus subspicatus): > 100 mg/L (72 h)

Daphnia toxicity

Cyclohexanone

EC50 = 820 mg/L (48 h)

EC50 (Daphnia magna (Big water flea)): = 820 (24 h)

LC50: (Daphnia magna (Big water flea)): = 800 mg/L (24 h)

Urea-formaldehyde resin, butylated

EC50 (Daphnia magna (Big water flea)): = 34.2 mg/L (48 h)

propan-2-ol

= 9,714 mg/L (24 h)

Method: OECD 202

Fish toxicity

LC50: (Pimephales promelas (fathead minnow)): = 9,640 mg/L (96 h)

Method: OECD 203

12.2 Persistence and degradability

Urea-formaldehyde resin, butylated

Biodegradation = 100 % (28 d)

propan-2-ol

Biodegradation = 53 %

12.3 Bioaccumulative potential

Cyclohexanone

= 0.86

propan-2-ol

= 0.05

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

080111* - Waste paint and varnish containing organic solvents or other dangerous substances

* Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Other disposal recommendations

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

SECTION 14: Transport information

14.1 UN number or ID number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)

Paint

Sea transport (IMDG)

Paint

Air transport (ICAO-TI / IATA-DGR)

Paint

14.3 Transport hazard class(es)

Land transport (ADR/RID) 3

Sea transport (IMDG) 3

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

14.4 Packing group

Land transport (ADR/RID) II

Sea transport (IMDG) II

Air transport (ICAO-TI / IATA-DGR) II

14.5 Environmental hazards

Land transport (ADR/RID) not applicable

Sea transport (IMDG) 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

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

Tunnel restriction code: D/E

Limited quantity (LQ): 5 ltr

Hazard identification number (Kemler No.): 33

Sea transport (IMDG)

EmS-No.: F-E, S-E

Limited quantity (LQ): 5 ltr

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Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ): 1 Liter

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no.: 03, 40

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC value: 619 g/l

* **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]**
Hazard categories / Named dangerous substances

P5c FLAMMABLE LIQUIDS

Quantity 1: 5,000t; Quantity 2: 50,000t

National regulations

Observe in addition any national regulations!

Water hazard class

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

List of relevant hazard statements and/or precautionary statements from sections 2 to 15

	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
	H301	Toxic if swallowed.
*	H302	Harmful if swallowed.
	H311	Toxic in contact with skin.
	H314	Causes severe skin burns and eye damage.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
*	H330	Fatal if inhaled.
	H331	Toxic if inhaled.
	H332	Harmful if inhaled.
	H336	May cause drowsiness or dizziness.
	H341	Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
	H350	May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
	H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
	H413	May cause long lasting harmful effects to aquatic life.
*	EUH071	Corrosive to the respiratory tract.

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2	On basis of test data.
Skin Irrit. 2	Calculation method.
Eye Irrit. 2	Calculation method.
STOT SE 3 Narcotic effects	Calculation method.

Key literature references and sources for data

Safety Data Sheet

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

according to Regulation (EU) 2020/878

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DUROX Rost-Umwandler
Revision date 20 Mar 2026

Print date 20 Mar 2026

Data arise from reference works and literature.

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL: Occupational Exposure Limit Value

BLV: Biological limit values

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

CMR: Carcinogenic, Mutagenic and Reprotoxic

DIN: German Institute for Standardization / German industrial standard

DNEL: Derived No-Effect Level

EAKV: European Waste Catalogue Directive

EC: Effective Concentration

EC: European Community

EN: European Standard

EU/EEA: European Economic Area

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG Code: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

LC: Lethal Concentration

LD: Lethal Dose

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MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OECD: Organisation for Economic Cooperation and Development

PBT: persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

Indication of changes

* Data changed compared with the previous version.

replaces version: 3.1

replaces revision of: 11 Nov 2025