



Quilon L

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Date of issue: 13/12/2021 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Quilon L
UFI : GR03-10E0-A00E-EDJ1

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Release and waterproofing agent for films and paper

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Zaclon LLC
2981 Independence Road
Cleveland, OH 44115
USA
Telephone: +1 800-356-7327
E-mail: rwoods@zaclon.com

EU address (Distributor):
38 Rue Pierre Brossolette
Lalinde, 24150
France

1.4. Emergency telephone number

Emergency number : +44 1235 239670 (24 hours, 7 days)

For local emergency telephone number(s) please see section 16

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2	H225
Met. Corr. 1	H290
Skin Corr. 1	H314
Eye Dam. 1	H318
Skin Sens. 1	H317
STOT SE 3	H336
Aquatic Acute 1	H400
Aquatic Chronic 3	H412

Full text of hazard classes, H- and EUH-statements: see section 16

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS05

GHS07

GHS09

Signal word (CLP)

: Danger

Contains

: Propan-2-ol, Hydrochloric acid, Chromium chloride, basic

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H336 - May cause drowsiness or dizziness.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P280 - Wear eye protection, protective clothing, protective gloves.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a doctor.

P403+P235 - Store in a well-ventilated place. Keep cool.

Extra phrases

: The hazards given in this section are for the neat product. The product is diluted with water for use – see supplier instructions for details.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propan-2-ol	CAS-No.: 67-63-0 EC No.: 200-661-7 EC index No.: 603-117-00-0 REACH-no: 01-2119457558-25-XXXX	< 65	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Chromium chloride, basic	CAS-No.: 50925-66-1 EC No.: 256-852-0 REACH-no: 01-2120758626-43-XXXX	< 30	Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Hydrochloric acid	CAS-No.: 7647-01-0 EC No.: 231-595-7 EC index No.: 017-002-01-X REACH-no: 01-2119484862-27-XXXX	< 5	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Hydrochloric acid	CAS-No.: 7647-01-0 EC No.: 231-595-7 EC index No.: 017-002-01-X REACH-no: 01-2119484862-27-XXXX	(0.1 ≤C < 100) Met. Corr. 1, H290 (1 ≤C < 100) Eye Dam. 1, H318 (10 ≤C < 100) STOT SE 3, H335 (10 ≤C < 25) Skin Corr. 1B, H314 (25 ≤C < 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air, keep the patient warm and at rest. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. Obtain immediate medical attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water (for at least 15 minutes). Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. Obtain immediate medical attention.

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

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes severe burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Severe irritation or burns to the mouth, throat, oesophagus, and stomach.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry chemical. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet.

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5.2. Special hazards arising from the substance or mixture

- | | |
|--|--|
| Fire hazard | : Highly flammable liquid and vapour. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture. |
| Hazardous decomposition products in case of fire | : Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide. Organic compounds. Inorganic products. |

5.3. Advice for firefighters

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|--------------------------------|--|
| Firefighting instructions | : Move containers from fire area if you can do it without risk. Cool closed containers exposed to fire with water spray. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses. |
| Protection during firefighting | : As in any fire, wear self-contained breathing apparatus and full protective gear. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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|----------------------|--|
| Emergency procedures | : Remove ignition sources. Ventilate area. Do not get in eyes, on skin, or on clothing. Avoid inhalation of vapours. Evacuate unnecessary personnel. |
|----------------------|--|

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Use personal protective equipment as required. See Section 8. Large spills/in enclosed spaces: gas-tight suit. |
| Emergency procedures | : Remove ignition sources. Use only non-sparking tools. Ventilate area. Do not get in eyes, on skin, or on clothing. Avoid inhalation of vapours. |

6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : Stop leak, if possible without risk. Dam up the liquid spill. |
| Methods for cleaning up | : Use non-sparking tools. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wash contaminated area with large amounts of water. Dispose in a safe manner in accordance with local/national regulations. Store in corrosive resistant container with a resistant inner liner. |

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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|-----------------------------------|---|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. |
| Precautions for safe handling | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. |

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Store in original container or corrosive resistant and/or lined container. Store tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of direct sunlight. Avoid extreme temperatures (heat and cold). Keep in fireproof place.
Incompatible materials	: Oxidising agents. Strong alkalis. Strong acids. Metals.
Packaging materials	: Unsuitable storage materials: Metals.

7.3. Specific end use(s)

Release and waterproofing agent for films and paper.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Propan-2-ol (67-63-0)	
Ireland - Occupational Exposure Limits	
Local name	Isopropyl alcohol [Propan-2-ol]
OEL TWA [2]	200 ppm
OEL STEL [ppm]	400 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
Ireland - Biological limit values	
Local name	2-Propanol
BLV	40 mg/l Parameter: acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B (Background), Ns (Non-specific)
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (mg/m ³)	999 mg/m ³
WEL TWA (ppm)	400 ppm
WEL STEL (mg/m ³)	1250 mg/m ³
WEL STEL (ppm)	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Hydrochloric acid (7647-01-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Hydrogen chloride
IOELV TWA (mg/m ³)	8 mg/m ³
IOELV TWA (ppm)	5 ppm
IOELV STEL (mg/m ³)	15 mg/m ³
IOELV STEL (ppm)	10 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Ireland - Occupational Exposure Limits	
Local name	Hydrogen chloride

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Hydrochloric acid (7647-01-0)	
OEL (8 hours ref) (mg/m ³)	8 mg/m ³
OEL TWA [2]	5 ppm
OEL (15 min ref) (mg/m ³)	15 mg/m ³
OEL STEL [ppm]	10 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	Hydrogen chloride
WEL TWA (mg/m ³)	2 mg/m ³ gas and aerosol mists
WEL TWA (ppm)	1 ppm gas and aerosol mists
WEL STEL (mg/m ³)	8 mg/m ³ gas and aerosol mists
WEL STEL (ppm)	5 ppm gas and aerosol mists
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Chromium chloride, basic (50925-66-1)	
Ireland - Occupational Exposure Limits	
Local name	Chromium (III) compounds (as Cr)
OEL (8 hours ref) (mg/m ³)	2 mg/m ³
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	Chromium
WEL TWA (mg/m ³)	0.5 mg/m ³ 0.5 mg/m ³ Chromium (II) compounds (as Cr) 0.5 mg/m ³ Chromium (III) compounds (as Cr)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Propan-2-ol (67-63-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m ³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	140.9 mg/l
PNEC aqua (marine water)	140.9 mg/l

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Propan-2-ol (67-63-0)	
PNEC aqua (intermittent, freshwater)	140.9 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	552 mg/kg dwt
PNEC sediment (marine water)	552 mg/kg dwt
PNEC (Soil)	
PNEC soil	28 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	160 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l
Hydrochloric acid (7647-01-0)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	15 mg/m ³
Long-term - local effects, inhalation	8 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	15 mg/m ³
Long-term - local effects, inhalation	8 mg/m ³

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation. Ensure exposure is below occupational exposure limits (where available). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Tightly fitting safety goggles. Standard EN 166 - Personal eye-protection.

8.2.2.2. Skin protection

Skin and body protection:

Use chemically protective clothing

Hand protection:

Wear protective gloves if skin contact is possible. Standard EN 374 - Protective gloves against chemicals. Recommended: Neoprene, Nitrile rubber. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Mask with gas-vapours filter type A/B/P3 (according to standard EN 141 and EN143)

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8.2.2.4. Thermal hazards

Thermal hazard protection:

Not required for normal conditions of use.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green. Blue.
Odour	: Alcohol. characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: > 50 °C (estimated)
Flammability	: Not applicable
Explosive properties	: May form flammable/explosive vapour-air mixture.
Oxidising properties	: Not oxidising.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: < 15 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: < 2.7
Viscosity, kinematic	: Not available
Solubility	: soluble in water.
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: ≈ 1.03 (20°C)
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7). Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

May form flammable/explosive vapour-air mixture.

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10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Avoid extreme temperatures (heat and cold).

10.5. Incompatible materials

Oxidising agents. Strong bases. Strong acids. Metals.

10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide. Organic compounds. Inorganic products.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Propan-2-ol (67-63-0)

LD50 oral, rat	5840 mg/kg
LD50 dermal, rabbit	16.4 ml/kg
LC50 inhalation, rat (ppm)	> 10000 ppm - 6 Hours

Hydrochloric acid (7647-01-0)

LC50 inhalation, rat (mg/l)	7051 mg/m ³ - 30 minutes
Skin corrosion/irritation	: Causes severe skin burns. pH: < 2.7
Serious eye damage/irritation	: Causes serious eye damage. pH: < 2.7
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Propan-2-ol (67-63-0)

IARC group	3 - Not classifiable
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Hydrochloric acid (7647-01-0)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
Additional information	: Based on available data, the classification criteria are not met

Propan-2-ol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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Hydrochloric acid (7647-01-0)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Causes severe skin burns and eye damage, May cause an allergic skin reaction, May cause drowsiness or dizziness, Severe irritation or burns to the mouth, throat, oesophagus, and stomach

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Propan-2-ol (67-63-0)

LC50 fish	9640 mg/l - 96 Hours (Pimephales promelas) (OECD 203 method)
EC50 Daphnia	> 10000 mg/l - 24 Hours, Daphnia magna, static test (OECD 202 method)
NOEC chronic algae	1800 mg/l - 7 days (Scenedesmus quadricauda)

Hydrochloric acid (7647-01-0)

LC50 fish	20.5 mg/l - 96 Hours (Lepomis macrochirus)
EC50 Daphnia	0.45 mg/l - 48 Hours (Daphnia magna)
ErC50 algae	0.73 mg/l - 72 Hours (Chlorella vulgaris)
NOEC chronic algae	0.364 mg/l - 72 Hours (Chlorella vulgaris)

12.2. Persistence and degradability

Propan-2-ol (67-63-0)

Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance - 5 days (Test method EU C.5)
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance (Test method EU C.6)
Biodegradation	53 % - 5 days

12.3. Bioaccumulative potential

Propan-2-ol (67-63-0)

Log Pow	0.05 (25°C)
Bioaccumulative potential	Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4. Mobility in soil

Propan-2-ol (67-63-0)

Ecology - soil	Miscible with water.
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12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Verify the product's ability for reuse. Waste and uncleaned empty packagings must be packaged or closed, labelled and disposed of in a destruction or recycling centre in accordance with national legislation. Consult the manufacturer in case of large quantities. In case of reshipment of uncleaned empty containers, inform the recipient of possible incurred risk due to product residues. For disposal in the EU, use the waste code in force according to the European Waste List (EWL). Any waste producer is obliged, among others, to classify waste according to the category and process codes of the European Waste List (EWL).
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. The correct waste code must be determined by the producer of the waste, based on how the waste has been produced.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number

UN-No. (ADR)	: UN 2924
UN-No. (IMDG)	: UN 2924
UN-No. (IATA)	: UN 2924

14.2. UN proper shipping name

Proper Shipping Name	: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Propan-2-ol, Chromium chloride, basic)
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Propan-2-ol, Chromium chloride, basic)
Proper Shipping Name (IATA)	: Flammable liquid, corrosive, n.o.s. (Propan-2-ol, Chromium chloride, basic)
Transport document description (ADR)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Propan-2-ol, Chromium chloride, basic), 3 (8), II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Propan-2-ol, Chromium chloride, basic), 3 (8), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 2924 Flammable liquid, corrosive, n.o.s. (Propan-2-ol, Chromium chloride, basic), 3 (8), II, ENVIRONMENTALLY HAZARDOUS

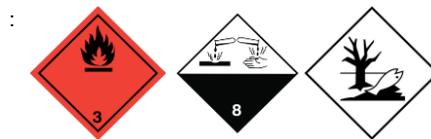
14.3. Transport hazard class(es)

ADR	
Transport hazard class(es) (ADR)	: 3 (8)
Hazard labels	: 3, 8

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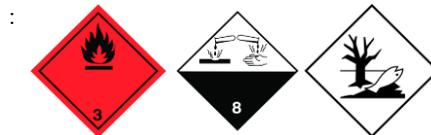
IMDG

Transport hazard class(es) (IMDG) : 3 (8)
Danger labels (IMDG) : 3, 8



IATA

Transport hazard class(es) (IATA) : 3 (8)
Danger labels (IATA) : 3, 8



14.4. Packing group

Packing group : II
Packing group (IMDG) : II
Packing group (IATA) : II

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Tunnel restriction code (ADR) : D/E

Transport by sea

No data available

Air transport

No data available

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3.	Hydrochloric acid ; Propan-2-ol ; Quilon L	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Quilon L ; Propan-2-ol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Quilon L ; Propan-2-ol ; Hydrochloric acid	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Quilon L	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Propan-2-ol	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Hydrochloric acid	Hydrogen chloride	7647-01-0	2806 10 00	Category 3		Annex I

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
	ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route)
	BCF (Bioconcentration factor)
	CAS (Chemical Abstracts Service) number
	CLP (Classification, Labeling and Packaging)
	DNEL (Derived No Effect Level)
	EC (European Community)
	EC50 (Effective Concentration 50%)
	EN (European Norm)

Quilon L

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Abbreviations and acronyms:	
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IBC (Intermediate Bulk Container)
	IMDG (International Maritime Dangerous Goods Code)
	Koc (Soil adsorption coefficient)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OEL (Occupational exposure limit)
	NOAEL (No Observed Adverse Effect Level)
	NOEC (No Observed Effect Concentration)
	PBT (Persistent, Bioaccumulative and Toxic)
	PNEC (Predicted No Effect Concentration)
	QSAR (Quantitative Structure-Activity Relationship)
	REACH (Registration, Evaluation and Authorisation of Chemicals)
	STEL (Short Term Exposure Limit)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	UVCB (Unknown or Variable composition, Complex reaction products or Biological materials)
	vPvB (very Persistent and very Bioaccumulative)
	WAF (Water Accommodated Fraction)

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: Classification procedure according to Regulation (EC) No. 1272/2008 [CLP]: Physical hazards: On basis of test data. Health hazards: Calculation method. Environmental hazards: Calculation method. Local emergency number(s): United Kingdom: +44 1865 407333 (English).

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

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Full text of H- and EUH-statements:	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.