

SAFETY DATA SHEET:

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Non Rinse Food Surface Wipes – PN116

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

1.1. Product identifier

Product form : Mixture
Trade name : Non Rinse Food Surface Wipes
UFI : DRKT-3E2H-DS0Q-STFE
Product code : PN116
Type of product : Biocidal products (Disinfectants),Detergent.
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial,Product for professional use.
Use of the substance/mixture : Desinfectant Agent
This product or equivalent will be supported by its supplier as a biocide

1.2.2. Uses advised against

Title	Use descriptors	Reason
Not suitable for consumer use		

1.3. Details of the supplier of the safety data sheet

Maclin Sourcing Solutions Ltd
Unit A3 Risby Business Park, Newmarket Road, Risby, IP28 6RD
T +44(0) 1284 810887
W: www.maclingroup.co.uk E: info@maclingroup.co.uk

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
UK	Maclin Sourcing Solutions Ltd	Unit A3 Risby Business Park, IP28 6RD	+44(0) 1284 810887	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225
Eye Irrit. 2 H319

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

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 GHS07
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

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 [EU-GHS/CLP]
ethanol; ethyl alcohol	(CAS-No.) 64-17-5 (EC no) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	60	Flam. Liq. 2, H225 Eye Irrit. 2, H319
propan-2-ol; isopropyl alcohol; isopropanol	(CAS-No.) 67-63-0 (EC no) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	<2	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-methylpropan-1-ol; iso-butanol	(CAS-No.) 78-83-1 (EC no) 201-148-0 (EC Index-No.) 603-108-00-1 (REACH-no) 01-2119484609-23	<2	Flam. Liq. 3, H226 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336

Specific concentration limits:

Name	Product identifier	Specific concentration limits
ethanol; ethyl alcohol	(CAS-No.) 64-17-5 (EC no) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	(50 ≤C < 100) Eye Irrit. 2, H319

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	: Call a doctor or summon medical assistance urgently.
After inhalation	: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect or irritation develops.
After eye contact	: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Remove contact lenses, if possible. Consult an ophthalmologist if irritation persists.

After swallowing : DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If victim completely conscious/alert. Rinse mouth. Seek medical attention immediately.

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

- Inhalation : Irritation of eyes, coughing. Those effects are transitionals and disappear after the end of exposure.

- Skin contact : Repetition can cause an erythema.

- Eye contact : By spatters of liquid in the eye: burning pain, watering for 1 or 2 days. Spontaneous, fast and complete healing.

- Ingestion : Drunkenness, nausea, vomits, ethylic coma (may lead to death). By chronic ingestion: alcoholism characterized by behavior disorders, memory problems. Digestive and cardiovascular diseases. In industrial environment, risk of accidents due to the disorders of attentiveness and to the possible interaction with the toxic effects of the other chemicals products, in particular chlorinated solvents, amides, oximes, thiurames. Risk of perforation of the gastrointestinal tract accompanied by shock.

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 : Use extinguishing media appropriate for surrounding fire. Sprayed water with additives. Product resistant foam. Dry chemical powder. Carbon dioxide. Use sand only to extinguish little fires.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

Explosion hazard : During the use, possible formation of flammable / explosive vapor-air mixture.

Hazardous reactions : Strong oxidizers.

General measures : Highly flammable. Exercise caution when fighting any chemical fire.

5.3. Advice for firefighters

Firefighting instructions : Evacuate the danger area. Only allow access to duly equipped emergency personnel. Cover any spillage by a product resistant foam to avoid the formation of flammable vapors. If possible, stop leaks.

Protection during firefighting : Wear protective clothing and self-contained breathing apparatus.

Other information : Disperse gas / vapour with sprayed water. Approach the hazard downwind. Cool containers exposed to fire. Collect contaminated extinction water separately and do not allow it to enter pipes or sewers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Highly flammable. Exercise caution when fighting any chemical fire.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Wear a recommended breathing apparatus. Avoid contact with eyes. Do not breathe gas/fumes/vapour/spray.

Emergency procedures : If the spillage occurs on a public highway, indicate the danger and notify local authorities. Evacuate and restrict access. Remove any source of ignition. Ensure a good ventilation of the area to avoid the formation of flammable vapors.

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing, gloves and eye/face protection. For selection of breathing equipment, see chapter 8. |
| Emergency procedures | : If the spillage occurs on a public highway, indicate the danger and notify local authorities. Stop the leak. Evacuate the danger zone. Approach the danger downwind. Disperse gases/vapours with sprayed water. Move incompatible materials and products aside. |

6.2. Environmental precautions

Confine and contain the spillage. Prevent any environmental discharge (sewers, rivers, ground). Immediately notify relevant authorities in case of significant spillage. Pump into an appropriate reserve tank.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| For containment | : Cover any spillage by a product resistant foam to avoid the formation of flammable vapors. Confine the product for collection or absorption with appropriate material. Stop leaks, where possible without risk to personnel. |
| Methods for cleaning up | : Clean up any spills as soon as possible, using an absorbent material to collect it. Do not absorb with combustible materials (sawdust, ...). Limited spillage: Absorb or soak up liquid with sand, earth or any material which limits any spread of the liquid. Place the leaking containers in a labelled drum or overdrum. Collect in a labelled, closed container, for subsequent safe disposal. Wash the contaminated area with large quantities of water. Store washing water as contaminated waste. If a major spill occurs, all personnel should be immediately evacuated and the area ventilated. Collection: collect as much of the product as possible by pumping or absorption and place in appropriate labelled containers. Arrange for its destruction in accordance with information in §13. Treat residues as a limited spillage. |
| Other information | : Prevent from entering drains, ground and drinking water. Contact a specialist for the possible destruction/collection of the collected product. Follow local regulations concerning destruction of the product. |

6.4. Reference to other sections

Refer to chapter 8 relating to exposure controls and personal protection equipment and chapter 13 relating to disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-------------------------------|---|
| Precautions for safe handling | : Avoid all unnecessary exposure. Remove ignition sources. Avoid accumulation of electrostatic charge. Use only non-sparking tools. Make fire extinguisher available. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Do not breathe gas, fumes, vapour or spray. When using, do not eat, drink or smoke. Wash clothing before re-using. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Hepatic and ethylic persons must be pushed aside from jobs concerning the alcohol. Personnel must be warned of the dangers of the product. |
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7.2. Conditions for safe storage, including any incompatibilities

- | | |
|-----------------------|--|
| Technical measures | : Provide good ventilation in process area to prevent formation of flammable vapour. Proper grounding procedures to avoid static electricity should be followed. Provide watertight, corrosion-resistant electrical installations. Water supply point nearby. Containment basin under tanks. Personnel must be warned of the dangers of the product. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material. |
| Storage conditions | : Store in dry, cool, well-ventilated area. Store in tightly closed containers. Avoid : Heat and sunlight. Burning sources. Moisture. |
| Incompatible products | : Strong oxidizers. Acids. Bases. |
| Storage | : Inert the container with azote, advised. |
| Packaging materials | : Advised : specific plastics (PVC - PE), glass, stratified polyester, covered steel. |

7.3. Specific end use(s)

For specific uses, contact the supplier.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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

ethanol; ethyl alcohol (64-17-5)		
DNEL/DMEL (Workers)		
Worker DNEL: Inhalation - Short-term Exposure	Chronic effects, systemic effects	950 mg/m ³
Worker DNEL: Inhalation - Long Term Exposure	Acute effects, Local effects	1900 mg/m ³
Worker DNEL: Skin contact - Short-term Exposure	Chronic effects	343 mg/kg
PNEC (Water)		
PNEC freshwater	0.96 mg/l	
PNEC marine water	0.79 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	3.6 mg/kg	
PNEC sediment (marine water)	2.9 mg/kg	
PNEC (Soil)		
PNEC soil	0.63 mg/kg	
PNEC (STP)		
PNEC sewage treatment plant	580 mg/l	

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Have occupational exposure of employees assessed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

- Eye protection:

Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

8.2.2.2. Skin protection

Other skin protection

Materials for protective clothing:

Example: In case of industrial use. Nitrile rubber. Neoprene. Compatibility of gloves and clothing with the product must be verified with the supplier.

8.2.2.3. Respiratory protection

- Respiratory protection:

Wear a air-filtering respirator (A filter) in case of prolonged exposure to high concentrations. Avoid inhaling vapors or fog.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear liquid.
Odour	: Alcohol.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 80 °C
Flammability	: Not available
Explosive limits	: 2 – 12 % m/v
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: 22 °C (closed cup)
Auto-ignition temperature	: 460 °C
Decomposition point	: Not available
pH value	: neutral
Viscosity, kinematic	: < 11.223 mm ² /s
Viscosity, dynamic	: < 10 (20°C)
Solubility	: Soluble in water.
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 0.891 g/cm ³ ± 0,005 (20°C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: 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

VOC content : $\approx 60\%$

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong oxidizers.

10.2. Chemical stability

Chemically stable under normal conditions of industrial use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat and sunlight. Keep away from heat, hot surfaces.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Contact with metals produces hydrogen gas which may form explosive mixtures with air.

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

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Rat oral LD50	5840 mg/kg
dermal rat LD50	13900 mg/kg
Rat inhalation LC50	> 25 mg/l/4h
LC50 Inhalation - Rat (Vapours)	> 25 mg/l/4h

ethanol; ethyl alcohol (64-17-5)

Rat oral LD50	6200 ml/kg
Rabbit dermal LD50	> 20000 mg/kg
Rat inhalation LC50	> 8000 mg/l/4h

2-methylpropan-1-ol; iso-butanol (78-83-1)

Rat oral LD50	> 2830 kilogram male, female: 3350 mg/kg.
Rabbit dermal LD50	> 2000 mg/kg mâle; Femelle : 2460 mg/kg
Rat inhalation LC50	> 18.18 mg/l /6h
LC50 Inhalation - Rat (Vapours)	24.6 mg/l/4h

Skin corrosion/irritation : Not classified
 pH value: neutral

Serious eye damage/irritation	: Causes serious eye irritation. pH value: neutral
Respiratory or skin sensitisation	: Not classified

CMR Informations:

Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure	: Not classified
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propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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2-methylpropan-1-ol; iso-butanol (78-83-1)

STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
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STOT-repeated exposure	: Not classified
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Aspiration hazard	: Not classified
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ARVO 21 SR

Viscosity, kinematic	< 11.223 mm ² /s
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2 Other information

Potential adverse human health effects and symptoms	: Sensitizing : no known effect of Sensitizing, Cancerogenicity: by prolonged ingestion, increase of the frequency of the pharynx, the larynx and the oesophagus cancers. By inhalation. No data, Effects on the reproduction: by ingestion: abnormalities (abnormal values of the frequency of the score of Apgar and the other neonatal measures, alcohol dependence) at the newborn children of women having drunk some alcohol in the course of their pregnancy. By inhalation: no data.
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SECTION 12: Ecological information

12.1. Toxicity

- Effects on the environment	: The ethanol does not present considerable risk for the flora and the aquatic fauna. It is quickly biodegraded and volatilized.
Ecology - air	: Mobility of the air: the product is volatile.
- on water	: Fully soluble in water.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

LC50-96 hr - fish	> 9640 mg/l Pimephales promelas
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EC50-24 h - Daphnia Magna	> 10000 mg/l Daphnia magna
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ethanol; ethyl alcohol (64-17-5)

LC50-96 hr - fish	15300 mg/l Pimephales promelas
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LC50-24 hr - fish	> 11200 mg/l <i>Salmo gairdneri</i>
EC50-48 h - <i>Daphnia magna</i>	12340 mg/l <i>Daphnia Magna</i>
EC50-24 h - <i>Daphnia Magna</i>	858 mg/l <i>Artemia salina</i>
EC50-72 h - alga	275 mg/l <i>Clorella vulgaris</i>

2-methylpropan-1-ol; iso-butanol (78-83-1)

LC50-96 hr - fish	1430 mg/l , <i>Pimephales promelas</i>
EC50-48 h - <i>Daphnia magna</i>	1100 mg/l
EC50-72 h - alga	593 mg/l , <i>Pseudokirchneriella subcapitata</i>
NOEC chronic algae	< 53 mg/l , <i>Pseudokirchneriella subcapitata</i>

12.2. Persistence and degradability

ARVO 21 SR

Persistence and degradability	Quick degradation in water.
COD-value	1500 mg O ₂ /g

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Persistence and degradability	Readily biodegradable. Oxidize quickly in the air, by photochemical reaction.
BOD	1171 mg/g
COD-value	2294 mg/g
Biodegradation	> 70 % , 28 days

ethanol; ethyl alcohol (64-17-5)

Persistence and degradability	Quick degradation in water.
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2-methylpropan-1-ol; iso-butanol (78-83-1)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

ARVO 21 SR

Bioaccumulative potential	Not bioaccumulable.
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propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Log P octanol / water at 20°C	0.05 (25°C)
Bioaccumulative potential	No bioaccumulation.

ethanol; ethyl alcohol (64-17-5)

Log P octanol / water at 20°C	-0.32
Bioaccumulative potential	Not bioaccumulable.

2-methylpropan-1-ol; iso-butanol (78-83-1)

Log P octanol / water at 20°C	0.76
Bioaccumulative potential	Bioaccumulation Factor is low.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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

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|--|---|
| Product/Packaging disposal recommendations | : Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. |
| Sewage disposal recommendations | : Do not pour down drains. |
| Waste disposal recommendations | : Collect waste in product resistant packagings, labelled, carefully closed for destruction. When the packing is consigned, it should be brought back by the supplier. Due to explosion risk, do not weld, cut or burn barrels or other recipients containing or having contained this product. |
| Additional information | : The attention of the user is attracted to the possible existence of constraints and local prescriptions, relative to the elimination, concerning the product. The elimination must be made in agreement with the local, regional or national legislation. |

SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number or ID number	
UN 1170	UN 1170
14.2. UN proper shipping name	
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport document description	
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II
14.3. Transport hazard class(es)	
3	3
	
14.4. Packing group	
II	II
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No

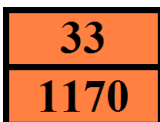
No supplementary information available

14.6. Special precautions for user

Special transport precautions : Comply with regulations in force relating to transportation (ADR/RID, IATA/ICAO, IMDG). In the event of an accident, refer to the written transportation instructions and chapters 5, 6 and 7 of this Material Safety Data Sheet.

Overland transport

Classification code (UN) : F1
 Special provisions (ADR) : 144, 601
 Limited quantities (ADR) : 1I
 Excepted quantities (ADR) : E2
 Packing instructions (ADR) : P001, IBC02, R001
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T4
 Portable tank and bulk container special provisions (ADR) : TP1
 Tank code (ADR) : LGBF
 Vehicle for tank carriage : FL
 Transport category (ADR) : 2
 Special provisions for carriage - Operation (ADR) : S2, S20
 Hazard identification number (Kemler No.) : 33
 Orange plates :



Tunnel restriction code : D/E

Transport by sea

Special provisions (IMDG) : 144
 Excepted quantities (IMDG) : E2
 Packing instructions (IMDG) : P001
 IBC packing instructions (IMDG) : IBC02
 Tank instructions (IMDG) : T4
 Tank special provisions (IMDG) : TP1
 EmS-No. (Fire) : F-E
 EmS-No. (Spillage) : S-D
 Stowage category (IMDG) : A

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on	Entry title or description
3.	ARVO 21 SR ; propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol ; 2-methylpropan-1-ol; iso-butanol	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
3(a)	ARVO 21 SR ; propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol ; 2-methylpropan-1-ol; iso-butanol	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)	ARVO 21 SR ; propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol ; 2-methylpropan-1-ol; iso-butanol	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
40.	ARVO 21 SR ; propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol ; 2-methylpropan-1-ol; iso-butanol	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 REACH (SVHC) candidate substance

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

VOC content : ≈ 60 %

Type of product (Biocide) : 1 - Human hygiene
2 - Disinfectants and algacides not intended for direct application to humans or animals
4 - Food and feed area

The organic components of this mixture respect the biodegradability criteria defined in the European regulation EC/648/2004 31/03/2004 on detergents.

Detergent Regulation (648/2004/EC): Labelling of contents:	
Component	%
aliphatic hydrocarbons	<5%
disinfectants	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
6.1	Protective equipment	Modified	
7.1	Precautions for safe handling	Modified	

Sources of key data used : Toxicological sheet INRS N° 48 : Ethanol.

Further information : The content and format of this MSDS are in accordance with regulation (EC) no. 1907/2006 of the European Parliament and Council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of Chemicals as well as the restrictions applicable to these substances (REACH). The original version of this MSDS is the French version. The company which sells the product on overseas markets is responsible for the content of this MSDS.

Full text of H- and EUH-statements:	
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
Flam. Liq. 3	Flammable liquids, Category 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

SDS EU QUARON FRANCE

This sheet completes specification sheets but does not replace them and the characteristic values are indicative and unguaranteed. Informations which it contains is based on the state of the knowledge of our suppliers relative to the concerned product, to the date of writing. They are given honest. The list of the statutory prescriptions and the applicable precautions simply aims at helping the user to fulfill its obligations during the use of the product. It is not exhaustive and cannot exempt the user of additional obligations connected to the other applicable laws to the detention or to the specificities of the implementation for which he remains only responsible within the framework of the analysis of the risks which he has to lead before any use of the product. The attention of the users is besides enticed to the risks possibly incurred when a product is used in the other manners that those for whom it is conceived.

QUARON provides you with an Extranet space accessible at the following address: <https://extranet.quaron.com/>

Find all the Safety Data Sheets that we send you by e-mail.

Find the connection details on your delivery slip.