

## Safety Data Sheet (SDS) Report

Applicant: NINGBO PRETTY TOURISM MANUFACTURE CO., LTD.  
No.106 Shanli Road, Wangchun Industrial Zone, Haishu District,  
Ningbo City, China

**SDS number: SHJ1201653**

Issue Date: 2020-04-03

### Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : rinse-free hand sanitizer  
Physical State : Gel  
Data Received : Mar 30, 2020  
Data Reviewed : Apr 03, 2020

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### Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated according to requirements of Regulation (EC) No 1907/2006 (REACH) with its amendment Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008, for details please refer to attached pages..

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### Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang  
Regulatory Consultant

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# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 4/3/2020 Revision date: 4/3/2020 Version: 1.0 SDS number: SHJ1201653

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : rinse-free hand sanitizer

#### 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 : Clean hands

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

NINGBO PRETTY TOURISM MANUFACTURE CO., LTD.  
No.106 Shanli Road, Wangchun Industrial Zone,  
Haishu District, Ningbo City, China  
T 0086-574-88267246 88151006 - F 0086-574-88001101  
[adaai@nb-houseware.com](mailto:adaai@nb-houseware.com)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2 H225

Full text of H 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

Signal word (CLP) : Danger  
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.  
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.  
P235 - Keep cool.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/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

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 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]
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	70 – 75	Flam. Liq. 2, H225
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2 (REACH-no) exempt	20 – 25	Not classified
Acrylic acid-sucrose polyallyl ether polymer	(CAS-No.) 9007-16-3	0.4	Not classified
Triethanolamine	(CAS-No.) 102-71-6 (EC-No.) 203-049-8	0.4	Not classified

Full text of H-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	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
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#### 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	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 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.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.  
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.  
Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Keep container tightly closed.  
Incompatible materials : Strong bases. Strong acids.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Ethanol (64-17-5)	
Austria - Occupational Exposure Limits	
Local name	Ethanol
MAK (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
MAK (ppm)	1000 ppm
MAK Short time value (mg/m <sup>3</sup> )	3800 mg/m <sup>3</sup>
MAK Short time value (ppm)	2000 ppm
Regulatory reference	BGBl. II Nr. 238/2018

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Ethanol (64-17-5)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Alcool éthylique # Ethanol
Limit value (mg/m <sup>3</sup> )	1907 mg/m <sup>3</sup>
Limit value (ppm)	1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 21/01/2020
<b>Denmark - Occupational Exposure Limits</b>	
Local name	Ethanol (Ethylalkohol)
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Grænseværdie (langvarig) (ppm)	1000 ppm
Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	3800 mg/m <sup>3</sup>
Grænseværdie (kortvarig) (ppm)	2000 ppm
Regulatory reference	BEK nr 1458 af 13/12/2019
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	1000 ppm
HTP-arvo (15 min)	2500 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	1300 ppm
<b>France - Occupational Exposure Limits</b>	
Local name	Alcool éthylique
VME (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
VME (ppm)	1000 ppm
VLE (mg/m <sup>3</sup> )	9500 mg/m <sup>3</sup>
VLE (ppm)	5000 ppm
Note (FR)	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
TRGS 900 Local name	Ethanol
Occupational exposure limit value (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup>
Occupational exposure limit value (ppm)	500 ppm
Limitation of exposure peaks	2(II)
TRGS 900 Remark	DFG;Y
TRGS 900 Regulatory reference	TRGS900
<b>Greece - Occupational Exposure Limits</b>	
Local name	Αιθνόλη
OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OEL TWA (ppm)	1000 ppm
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Hungary - Occupational Exposure Limits</b>	
Local name	ETIL-ALKOHOL

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Ethanol (64-17-5)</b>	
AK-érték	1900 mg/m <sup>3</sup>
CK-érték	7600 mg/m <sup>3</sup>
Megjegyzések (HU)	N (Irritáló anyagok, egyszerű fojtógázok, csekély egészségkárosító hatással bíró anyagok)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OEL (8 hours ref) (ppm)	1000 ppm
<b>Latvia - Occupational Exposure Limits</b>	
Local name	Etilspirts (etanols)
OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325
<b>Lithuania - Occupational Exposure Limits</b>	
Local name	Etanolis (etilo alkoholis)
IPRV (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
IPRV (ppm)	500 ppm
TPRV (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
TPRV (ppm)	1000 ppm
NRV (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
NRV (ppm)	1000 ppm
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
<b>Netherlands - Occupational Exposure Limits</b>	
Local name	Ethanol
Grenswaarde TGG 8H (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Remark (MAC)	Kankerverwekkende stof. H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Regulatory reference	Arbeidsomstandighedenregeling 2020
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Etanol (Álcool etílico)
OEL TWA (ppm)	1000 ppm
OEL STEL (ppm)	1000 ppm
OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen
Regulatory reference	Norma Portuguesa NP 1796:2014
<b>Spain - Occupational Exposure Limits</b>	
Local name	Etanol (Alcohol etílico)
VLA-ED (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>
VLA-ED (ppm)	1000 ppm
VLA-EC (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Ethanol (64-17-5)</b>	
VLA-EC (ppm)	1000 ppm
Notes	s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltese: Base de datos de productos biocidas: <a href="http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas">http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas</a> Base de datos de productos fitosanitarios <a href="http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf">http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf</a> ).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Etanol
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	500 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	1000 ppm
Anmärkning (SE)	V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Ethanol
WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
WEL TWA (ppm)	1000 ppm
WEL STEL (mg/m <sup>3</sup> )	5760 mg/m <sup>3</sup> (calculated)
WEL STEL (ppm)	3000 ppm (calculated)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Norway - Occupational Exposure Limits</b>	
Local name	Etanol
Grenseverdier (AN) (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Grenseverdier (AN) (ppm)	500 ppm
Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	1187.5 mg/m <sup>3</sup> (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Regulatory reference	FOR-2018-08-21-1255
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Ethanol (DE, FR); Etanolo (IT)
MAK (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup>
MAK (ppm)	500 ppm
KZGW (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
KZGW (ppm)	1000 ppm
Critical toxicity	Formel / Formal
Notation	SS <sub>c</sub> / SS <sub>c</sub>
Remark	OELs Limit Values at the Workplace (SUVA 2014): TWA is: 500 ppm/960 mg/m <sup>3</sup> ; STEL is: 1000ppm/1920 mg/m <sup>3</sup> . SUVA Codes: Group C (The fetus will not be harmed if the MAK value is complied with).
Regulatory reference	<a href="http://www.suva.ch">www.suva.ch</a> , 01.01.2020

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Ethanol (64-17-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Ethanol
ACGIH TWA (mg/m <sup>3</sup> )	1884 mg/m <sup>3</sup>
ACGIH TWA (ppm)	1000 ppm
ACGIH STEL (ppm)	1000 ppm
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2020

<b>Triethanolamine (102-71-6)</b>	
<b>Austria - Occupational Exposure Limits</b>	
Local name	Triethanolamin
MAK (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (inhalable fraction)
MAK (ppm)	0.8 ppm
MAK Short time value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable fraction)
MAK Short time value (ppm)	1.6 ppm
Remark (AT)	S
OEL chemical category (AT)	Sensitizer
Regulatory reference	BGBI. II Nr. 238/2018

<b>Belgium - Occupational Exposure Limits</b>	
Local name	Triéthanolamine # Tri-ethanolamine
Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Regulatory reference	Koninklijk besluit/Arrêté royal 21/01/2020

<b>Denmark - Occupational Exposure Limits</b>	
Local name	Triethanolamin
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	3.1 mg/m <sup>3</sup>
Grænseværdie (langvarig) (ppm)	0.5 ppm
Regulatory reference	BEK nr 1458 af 13/12/2019

<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
TRGS 900 Local name	2,2',2''-Nitrilotriethanol
Occupational exposure limit value (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Limitation of exposure peaks	1(l)
TRGS 900 Remark	DFG;Y
TRGS 900 Regulatory reference	TRGS900

<b>Ireland - Occupational Exposure Limits</b>	
Local name	Triethanolamine
OEL (8 hours ref) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OEL (15 min ref) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (calculated)
Regulatory reference	Chemical Agents Code of Practice 2020



# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Triethanolamine (102-71-6)</b>	
<b>Lithuania - Occupational Exposure Limits</b>	
Local name	Trietanolaminas
IPRV (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
TPRV (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Remark (LT)	J (jautrinantis poveikis)
OEL chemical category (LT)	Sensitizer
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Trietanolamina
OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Regulatory reference	Norma Portuguesa NP 1796:2014
<b>Spain - Occupational Exposure Limits</b>	
Local name	Trietanolamina
VLA-ED (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Trietanolamin
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	0.8 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	1.6 ppm
Anmärkning (SE)	H (Ämnet kan lätt upptas genom huden. Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga); V (Vägledande kortidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
OEL chemical category (SE)	Skin notation
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>Norway - Occupational Exposure Limits</b>	
Local name	Trietanolamin
Grenseverdier (AN) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (value calculated)
Regulatory reference	FOR-2018-08-21-1255
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Triéthanolamine / Triethanolamin
MAK (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (inhalable dust)
KZGW (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (inhalable dust)
Critical toxicity	VRS, Peau, Yeux / OAW, Haut, Auge
Notation	SS <sub>c</sub> / SS <sub>c</sub>
Remark	NIOSH
Regulatory reference	www.suva.ch, 01.01.2020

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Triethanolamine (102-71-6)

#### USA - ACGIH - Occupational Exposure Limits

Local name	Triethanolamine
ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Remark (ACGIH)	Eye & skin irr
Regulatory reference	ACGIH 2020

### 8.2. Exposure controls

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Respiratory protection:

Wear appropriate mask

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Gel
Appearance	: Gel.
Colour	: Transparent.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Highly flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Acrylic acid-sucrose polyallyl ether polymer (9007-16-3)

LD50 oral rat	4100 mg/kg
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#### Triethanolamine (102-71-6)

LD50 oral rat	4190 mg/kg
LD50 dermal rabbit	> 20000 mg/kg

Skin corrosion/irritation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Serious eye damage/irritation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Respiratory or skin sensitisation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
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

#### Triethanolamine (102-71-6)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified  
Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Triethanolamine (102-71-6)	
LC50 fish 1	10600 – 13000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 72h algae (1)	216 mg/l (Species: Desmodesmus subspicatus)
EC50 96h algae (1)	169 mg/l (Species: Desmodesmus subspicatus)

### 12.2. Persistence and degradability

#### rinse-free hand sanitizer

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### rinse-free hand sanitizer

Bioaccumulative potential	Not established.
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#### Triethanolamine (102-71-6)

BCF fish 1	< 3.9
Partition coefficient n-octanol/water (Log Pow)	-2.53

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information	: Avoid release to the environment.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.






# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 14: Transport information

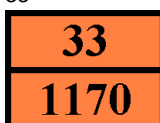
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 1170	UN 1170	UN 1170	UN 1170	UN 1170
<b>14.2. UN proper shipping name</b>				
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	Ethanol solution	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<b>Transport document description</b>				
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II	UN 1170 Ethanol solution, 3, II	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : 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 (ADR) : D/E  
EAC code : •2YE

#### Transport by sea

Special provisions (IMDG) : 144

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Limited quantities (IMDG)	: 1 L
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
Properties and observations (IMDG)	: Colourless, volatile liquids.Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19% Miscible with water.

### Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A58, A180
ERG code (IATA)	: 3L

### Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 144, 601
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1

### Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 144, 601
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

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

# rinse-free hand sanitizer

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 15.1.2. National regulations

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : Ethanol is listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : Ethanol is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : Ethanol is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Ethanol is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Ethanol is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Ethanol is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Ethanol is listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Sources of Key data : Annex VI of CLP regulation  
ECHA website

Other information : None.

### Full text of H- and EUH-statements:

None

SDS EU (REACH Annex II)

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.