# Safety Data Sheet

according to Regulation (EU) 2015/830 Issue date: 3/31/2020 Revision date: 3/31/2020 Version: 1.0

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

#### 1.1. Product identifier

Product form : Article

Trade name : 75% Alcohol wipes

#### 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 : Alcohol wipes

1.2.2. Uses advised against

Restrictions on use : No information available

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

#### Manufacturer

KANGNA(ZHEJIANG) MEDICAL SUPPLIES CO.,LTD 5F,Tower 3,Intime office,No.88 Shuanglong Road,Xihu District,Hangzhou,China. T +86 571 86955263 - F +86 571 86957067

#### **Importer**

#### 1.4. Emergency telephone number

+86 571 86955263

#### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

Flammable solids, Category 1 H228

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger

Hazard statements (CLP) : H228 - Flammable solid.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.

 ${\tt P280-Wear\ protective\ gloves/protective\ clothing/eye\ protection/face\ protection/hearing}$ 

protection.

P370+P378 - In case of fire: Use Water spray, Dry powder, Foam, Carbon dioxide to

extinguish.

#### 2.3. Other hazards

Other hazards not contributing to the classification : No information available.

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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

#### **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]
Ethyl alcohol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	75	Flam. Liq. 2, H225
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	25	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 : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek

medical advice.

First-aid measures after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal

use. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical

advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

No additional information available

# 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 powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : No information available.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

# 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

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#### **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Handle in

accordance with good industrial hygiene and safety practice.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

# 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store in a dry place. Keep container tightly

closed.

Incompatible materials : No information available.

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

No additional information available.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Ethyl alcohol (64-17-5)		
Austria - Occupational Exposure Limits		
MAK (mg/m³)	1900 mg/m³	
MAK (ppm)	1000 ppm	
MAK Short time value (mg/m³)	3800 mg/m³	
MAK Short time value (ppm)	2000 ppm	
Belgium - Occupational Exposure Limits		
Limit value (mg/m³)	1907 mg/m³	
Limit value (ppm)	1000 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA (mg/m³)	1000 mg/m³	

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Ethyl alcohol (64-17-5)		
Croatia - Occupational Exposure Limits		
GVI (granična vrijednost izloženosti) (mg/m³)	1900 mg/m³	
GVI (granična vrijednost izloženosti) (ppm)	1000 ppm	
Czech Republic - Occupational Exposure Limits		
Expoziční limity (PEL) (mg/m³)	1000 mg/m³	
Denmark - Occupational Exposure Limits		
Grænseværdie (langvarig) (mg/m³)	1900 mg/m³	
Grænseværdie (langvarig) (ppm)	1000 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA (mg/m³)	1000 mg/m <sup>3</sup>	
OEL TWA (ppm)	500 ppm	
OEL STEL (mg/m³)	1900 mg/m³	
OEL STEL (ppm)	1000 ppm	
Finland - Occupational Exposure Limits		
HTP-arvo (8h) (mg/m³)	1900 mg/m³	
HTP-arvo (8h) (ppm)	1000 ppm	
HTP-arvo (15 min)	2500 mg/m³	
HTP-arvo (15 min) (ppm)	1300 ppm	
France - Occupational Exposure Limits		
VME (mg/m³)	1900 mg/m³	
VME (ppm)	1000 ppm	
VLE (mg/m³)	9500 mg/m³	
VLE (ppm)	5000 ppm	
Germany - Occupational Exposure Limits (TRGS 90	0)	
Occupational exposure limit value (mg/m³)	380 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Greece - Occupational Exposure Limits		
OEL TWA (mg/m³)	1900 mg/m³	
OEL TWA (ppm)	1000 ppm	
Hungary - Occupational Exposure Limits		
AK-érték	1900 mg/m³	
CK-érték	7600 mg/m³	
Ireland - Occupational Exposure Limits		
OEL (15 min ref) (ppm)	1000 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA (mg/m³)	1000 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (mg/m³)	1000 mg/m³	
IPRV (ppm)	500 ppm	

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TPRY (ppm)   1000 ppm	Ethyl alcohol (64-17-5)		
Notherlands - Occupational Exposure Limits         260 mg/m²           Grenowaarde TGG 15MIN (mg/m²)         1900 mg/m²           MAC Chemical category         Skin notation           Poland - Occupational Exposure Limits         1900 mg/m²           Portugal - Occupational Exposure Limits         1900 mg/m²           Portugal - Occupational Exposure Limits         1000 ppm           OEL TWA (ppm)         1000 ppm           OEL TWA (ppm)         1900 mg/m²           CEL TWA (mg/m²)         1900 mg/m²           OEL STEL (pmm)         9600 mg/m³           OEL STEL (pmm)         9600 mg/m³           OEL STEL (pmm)         960 mg/m³           NPHV (priemernal (mg/m²)         960 mg/m³           NPHV (priemernal (mg/m²)         960 mg/m³           NPHV (priemernal (mg/m²)         1920 mg/m³           Slovenia - Occupational Exposure Limits         OEL TWA (mg/m²)           OEL TWA (mg/m²)         1900 mg/m³           OEL STEL (pmm)         4000 ppm           OEL STEL (pmm)         4000 ppm           OEL STEL (pmm)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m²)           VLA-EC (mg/m²)         1910 mg/m³           Sweden - Occupational Exposure Limits         VLA-EC (mg/m²)	TPRV (mg/m³)	1900 mg/m³	
Grenswaarde TGG 8H (mg/m²)	TPRV (ppm)	1000 ppm	
Grenswarde TGG 15MIN (mg/m²)   1900 mg/m²   1900 mg/m²	Netherlands - Occupational Exposure Limits		
MAC chemical category   Skin notation	Grenswaarde TGG 8H (mg/m³)	260 mg/m³	
Poland - Occupational Exposure Limits         1900 mg/m³           Portugal - Occupational Exposure Limits         1000 ppm           OEL TWA (ppm)         1000 ppm           OEL TWA (ppm)         A4 - Not Classifiable as a Human Carcinogen           Romania - Occupational Exposure Limits         OEL TWA (mg/m²)           OEL TWA (mg/m²)         1900 mg/m²           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m²)         5000 ppm           Slovakia - Occupational Exposure Limits         NPHV (priemerná) (mg/m²)           NPHV (priemerná) (ppm)         500 ppm           NPHV (priemerná) (ppm)         500 ppm           NPHV (rienicná) (mg/m²)         1900 mg/m²           NPHV (mg/m²)         1900 mg/m²           OEL TWA (mg/m²)         1900 mg/m²           OEL TWA (mg/m²)         1900 mg/m²           OEL STEL (mg/m²)         7600 mg/m²           OEL STEL (mg/m²)         1900 mg/m²           OEL STEL (mg/m²)         1900 mg/m²           OEL STEL (mg/m²)         1910 mg/m²           OEL STEL (mg/m²)         1910 mg/m²           VLA-EC (mg/m²)         1910 mg/m²           VLA-EC (mg/m²)         1900 mg/m²           Nordigariarde (NVG) (mg/m²)         1000 mg/m²           Nordigariarde (NVG) (mg	Grenswaarde TGG 15MIN (mg/m³)	1900 mg/m³	
NDS (mg/m²)   1900 mg/m²	MAC chemical category	Skin notation	
Portugal - Occupational Exposure Limits	Poland - Occupational Exposure Limits		
OEL TWA (ppm)         1000 ppm           OEL chemical category (PT)         A4 - Not Classifiable as a Human Carcinogen           Romania - Occupational Exposure Limits         1900 mg/m²           OEL TWA (mg/m²)         1900 mg/m²           OEL STEL (ppm)         9600 mg/m²           OEL STEL (ppm)         5000 ppm           Slovakia - Occupational Exposure Limits         NPHV (priemerná) (mg/m²)           NPHV (priemerná) (mg/m²)         960 mg/m²           NPHV (priemerná) (mg/m²)         1920 mg/m²           Slovanía - Occupational Exposure Limits         V           OEL TWA (mg/m²)         1900 mg/m²           OEL TWA (ppm)         1000 ppm           OEL TWA (ppm)         1000 ppm           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m²)         1900 mg/m²           OEL STEL (mg/m²)         4000 ppm           OEL STEL (mg/m²)         4000 ppm           VLA-EC (mg/m²)         1910 mg/m²           VLA-EC (mg/m²)         1910 mg/m²           VLA-EC (mg/m²)         1000 ppm           Sweden - Occupational Exposure Limits         Nordigarasvarde (NVG) (mg/m²)           Nordigarasvarde (NVG) (mg/m²)         1000 mg/m²           Nordigarasvarde (KVG) (mg/m²)         1000 ppm           WEL T	NDS (mg/m³)	1900 mg/m³	
OEL chemical category (PT)         A4 - Not Classifiable as a Human Carcinogen           Romania - Occupational Exposure Limits         1900 mg/m³           OEL TWA (mg/m³)         1900 mg/m³           OEL STEL (mg/m³)         9500 mg/m³           OEL STEL (mg/m³)         9500 mg/m³           OEL STEL (pgm)         5000 ppm           Slovakia - Occupational Exposure Limits         ************************************	Portugal - Occupational Exposure Limits		
Romania - Occupational Exposure Limits	OEL TWA (ppm)	1000 ppm	
OEL TWA (mg/m³)         1900 mg/m³           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m²)         9500 mg/m³           OEL STEL (ppm)         5000 ppm           Slovakia - Occupational Exposure Limits         Why (priemerná) (mg/m²)           NPHV (priemerná) (ppm)         500 ppm           NPHV (priemerná) (ng/m²)         1920 mg/m³           Slovenia - Occupational Exposure Limits         Solvenia - Occupational Exposure Limits           OEL TWA (ng/m³)         1900 mg/m³           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m³)           VLA-EC (pgm)         1910 mg/m³           VLA-EC (pm)         1000 mg/m³           Nudgransvärde (NVG) (mg/m²)         1000 mg/m³           nivägransvärde (NVG) (mg/m²)         1000 mg/m³           kortidsvärde (KTV) (mg/m²)         1900 mg/m³           Mortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m²)           WEL TWA (ppm)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL TWA (ppm)         3000 ppm (calculated)           WEL STEL (ppm)         3000 ppm (calculated)	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen	
OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m³)         9500 mg/m³           OEL STEL (ppm)         5000 ppm           Slovakia - Occupational Exposure Limits         When Y (priemernâ) (mg/m³)           NPHV (priemernâ) (mg/m³)         960 mg/m³           NPHV (Hranichâ) (mg/m³)         1920 mg/m³           Slovenia - Occupational Exposure Limits         OEL TWA (mg/m³)           OEL TWA (mg/m³)         1900 mg/m³           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (mg/m³)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m³)           VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweder - Occupational Exposure Limits         nivâgrânsvârde (NVG) (mg/m³)           nivâgrânsvârde (NVG) (mg/m³)         1000 mg/m³           nivâgrânsvârde (NVG) (ppm)         500 ppm           kortidsvârde (KTV) (mg/m³)         1900 mg/m³           kortidsvârde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           Norway - Occupati	Romania - Occupational Exposure Limits		
OEL STEL (mg/m³)         9500 mg/m³           OEL STEL (ppm)         5000 ppm           Slovakia - Occupational Exposure Limits           NPHV (priemermâ) (mg/m²)         960 mg/m²           NPHV (priemermâ) (ppm)         500 ppm           NPHV (Hraničná) (mg/m²)         1920 mg/m³           Slovenia - Occupational Exposure Limits           OEL TWA (mg/m²)         1900 mg/m³           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m²)         7600 mg/m³           OEL STEL (mg/m²)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m²)           VLA-EC (mg/m²)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits           vLA-EC (ppm)         1000 mg/m³           nivågrånsvärde (NVG) (ppm)         500 ppm           kortidsvärde (KTV) (mg/m³)         1900 mg/m³           kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           Norway - Occu	OEL TWA (mg/m³)	1900 mg/m³	
OEL STEL (ppm)         5000 ppm           Slovakia - Occupational Exposure Limits         960 mg/m³           NPHV (priemerná) (mg/m³)         960 mg/m³           NPHV (priemerná) (ppm)         500 ppm           NPHV (Hraničná) (mg/m³)         1920 mg/m³           Slovenia - Occupational Exposure Limits         0EL TWA (mg/m³)           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m³)           VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits         1000 mg/m³           nivágránsvárde (NVG) (mg/m³)         1000 mg/m³           nivágránsvárde (NVG) (ppm)         500 ppm           kortidsvárde (KTV) (mg/m³)         1900 mg/m³           kortidsvárde (KTV) (pm)         1000 ppm           United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m³)           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL TWA (ppm)         5760 mg/m³ (calculated)           Norway - Occupational Exposure Limits	OEL TWA (ppm)	1000 ppm	
Slovakia - Occupational Exposure Limits   960 mg/m³   970 mg/m³	OEL STEL (mg/m³)	9500 mg/m³	
NPHV (priemerná) (mg/m³)         960 mg/m³           NPHV (priemerná) (ppm)         500 ppm           NPHV (Hraničná) (mg/m³)         1920 mg/m³           Slovenia - Occupational Exposure Limits           OEL TWA (mg/m³)         1900 mg/m³           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits           VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits           nivágránsvárde (NVG) (mg/m³)         1000 mg/m³           nivágránsvárde (NVG) (ppm)         500 ppm           kortidsvárde (KTV) (mg/m³)         1900 mg/m³           kortidsvárde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m³)           WEL TWA (ppm)         1000 ppm           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           Norway - Occupational Exposure Limits         Norway - Occupational Exposure Limits	OEL STEL (ppm)	5000 ppm	
NPHV (priemerná) (ppm)         500 ppm           NPHV (Hraničná) (mg/m²)         1920 mg/m³           Slovenia - Occupational Exposure Limits         1900 mg/m³           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m³)           VLA-EC (ppm)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits         nivágränsvärde (NVG) (mg/m³)           nivágránsvärde (NVG) (ppm)         500 ppm           kortidsvärde (KTV) (mg/m³)         1900 mg/m³           kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m³)           WEL TWA (ppm)         1000 ppm           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           Norway - Occupational Exposure Limits	Slovakia - Occupational Exposure Limits		
NPHV (Hraničná) (mg/m³)         1920 mg/m³           Slovenia - Occupational Exposure Limits           OEL TWA (mg/m³)         1900 mg/m³           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits         VLA-EC (mg/m³)           VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits         Inivågränsvärde (NVG) (mg/m³)           nivågränsvärde (NVG) (ppm)         500 ppm           Kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           Norway - Occupational Exposure Limits	NPHV (priemerná) (mg/m³)	960 mg/m³	
Slovenia - Occupational Exposure Limits	NPHV (priemerná) (ppm)	500 ppm	
OEL TWA (mg/m³)         1900 mg/m³           OEL TWA (ppm)         1000 ppm           OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits           VLA-EC (mg/m³)           1910 mg/m³           VLA-EC (ppm)           Sweden - Occupational Exposure Limits           nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           nivågränsvärde (NVG) (ppm)         500 ppm           kortidsvärde (KTV) (mg/m³)         1900 mg/m³           kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           WEL STEL (ppm)         3000 ppm (calculated)           Norway - Occupational Exposure Limits	NPHV (Hraničná) (mg/m³)	1920 mg/m³	
OEL TWA (ppm)       1000 ppm         OEL STEL (mg/m³)       7600 mg/m³         OEL STEL (ppm)       4000 ppm         Spain - Occupational Exposure Limits         VLA-EC (mg/m³)       1910 mg/m³         VLA-EC (ppm)       1000 ppm         Sweden - Occupational Exposure Limits         nivågränsvärde (NVG) (mg/m³)       1000 mg/m³         nivågränsvärde (NVG) (ppm)       500 ppm         kortidsvärde (KTV) (mg/m³)       1900 mg/m³         kortidsvärde (KTV) (ppm)       1000 ppm         United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m³)       1920 mg/m³         WEL TWA (ppm)       1000 ppm         WEL STEL (mg/m³)       5760 mg/m³ (calculated)         Norway - Occupational Exposure Limits	Slovenia - Occupational Exposure Limits		
OEL STEL (mg/m³)         7600 mg/m³           OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits           VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits           nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           nivågränsvärde (KVG) (ppm)         500 ppm           kortidsvärde (KTV) (mg/m³)         1900 mg/m³           kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits         WEL TWA (mg/m³)           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           WEL STEL (ppm)         3000 ppm (calculated)           Norway - Occupational Exposure Limits	OEL TWA (mg/m³)	1900 mg/m³	
OEL STEL (ppm)         4000 ppm           Spain - Occupational Exposure Limits           VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits           nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           nivågränsvärde (KTV) (mg/m³)         500 ppm           kortidsvärde (KTV) (ppm)         1900 mg/m³           kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           WEL STEL (ppm)         3000 ppm (calculated)           Norway - Occupational Exposure Limits	OEL TWA (ppm)	1000 ppm	
Spain - Occupational Exposure Limits  VLA-EC (mg/m³) 1910 mg/m³  VLA-EC (ppm) 1000 ppm  Sweden - Occupational Exposure Limits  nivågränsvärde (NVG) (mg/m³) 1000 mg/m³  nivågränsvärde (NVG) (ppm) 500 ppm  kortidsvärde (KTV) (mg/m³) 1900 mg/m³  kortidsvärde (KTV) (ppm) 1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³) 1920 mg/m³  WEL TWA (ppm) 1000 ppm  WEL STEL (mg/m³) 5760 mg/m³ (calculated)  WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	OEL STEL (mg/m³)	7600 mg/m³	
VLA-EC (mg/m³)         1910 mg/m³           VLA-EC (ppm)         1000 ppm           Sweden - Occupational Exposure Limits           nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           nivågränsvärde (NVG) (ppm)         500 ppm           kortidsvärde (KTV) (mg/m³)         1900 mg/m³           kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom - Occupational Exposure Limits           WEL TWA (mg/m³)         1920 mg/m³           WEL TWA (ppm)         1000 ppm           WEL STEL (mg/m³)         5760 mg/m³ (calculated)           WEL STEL (ppm)         3000 ppm (calculated)           Norway - Occupational Exposure Limits	OEL STEL (ppm)	4000 ppm	
VLA-EC (ppm) 1000 ppm  Sweden - Occupational Exposure Limits  nivågränsvärde (NVG) (mg/m³) 1000 mg/m³  nivågränsvärde (NVG) (ppm) 500 ppm  kortidsvärde (KTV) (mg/m³) 1900 mg/m³  kortidsvärde (KTV) (ppm) 1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³) 1920 mg/m³  WEL TWA (ppm) 1000 ppm  WEL STEL (mg/m³) 5760 mg/m³ (calculated)  WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	Spain - Occupational Exposure Limits		
Sweden - Occupational Exposure Limits  nivågränsvärde (NVG) (mg/m³)  nivågränsvärde (NVG) (ppm)  kortidsvärde (KTV) (mg/m³)  kortidsvärde (KTV) (ppm)  1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³)  1920 mg/m³  WEL TWA (ppm)  1000 ppm  WEL STEL (mg/m³)  VFL STEL (ppm)  Norway - Occupational Exposure Limits	VLA-EC (mg/m³)	1910 mg/m³	
nivågränsvärde (NVG) (mg/m³)  nivågränsvärde (NVG) (ppm)  kortidsvärde (KTV) (mg/m³)  kortidsvärde (KTV) (ppm)  1900 mg/m³  kortidsvärde (KTV) (ppm)  1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³)  WEL TWA (ppm)  1000 ppm  WEL STEL (mg/m³)  5760 mg/m³ (calculated)  WEL STEL (ppm)  Norway - Occupational Exposure Limits	VLA-EC (ppm)	1000 ppm	
nivågränsvärde (NVG) (ppm) 500 ppm kortidsvärde (KTV) (mg/m³) 1900 mg/m³ kortidsvärde (KTV) (ppm) 1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³) 1920 mg/m³ WEL TWA (ppm) 1000 ppm  WEL STEL (mg/m³) 5760 mg/m³ (calculated)  WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	Sweden - Occupational Exposure Limits		
kortidsvärde (KTV) (mg/m³)  kortidsvärde (KTV) (ppm)  1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³)  WEL TWA (ppm)  1000 ppm  WEL STEL (mg/m³)  5760 mg/m³ (calculated)  Norway - Occupational Exposure Limits	nivågränsvärde (NVG) (mg/m³)	1000 mg/m³	
kortidsvärde (KTV) (ppm) 1000 ppm  United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³) 1920 mg/m³  WEL TWA (ppm) 1000 ppm  WEL STEL (mg/m³) 5760 mg/m³ (calculated)  WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	nivågränsvärde (NVG) (ppm)	500 ppm	
United Kingdom - Occupational Exposure Limits  WEL TWA (mg/m³) 1920 mg/m³  WEL TWA (ppm) 1000 ppm  WEL STEL (mg/m³) 5760 mg/m³ (calculated)  WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	kortidsvärde (KTV) (mg/m³)	1900 mg/m³	
WEL TWA (mg/m³)       1920 mg/m³         WEL TWA (ppm)       1000 ppm         WEL STEL (mg/m³)       5760 mg/m³ (calculated)         WEL STEL (ppm)       3000 ppm (calculated)         Norway - Occupational Exposure Limits	kortidsvärde (KTV) (ppm)	1000 ppm	
WEL TWA (ppm)  WEL STEL (mg/m³)  WEL STEL (ppm)  WEL STEL (ppm)  3000 ppm (calculated)  Norway - Occupational Exposure Limits	United Kingdom - Occupational Exposure Limits		
WEL STEL (mg/m³) 5760 mg/m³ (calculated)  WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	WEL TWA (mg/m³)	1920 mg/m³	
WEL STEL (ppm) 3000 ppm (calculated)  Norway - Occupational Exposure Limits	WEL TWA (ppm)	1000 ppm	
Norway - Occupational Exposure Limits	WEL STEL (mg/m³)	5760 mg/m³ (calculated)	
	WEL STEL (ppm)	3000 ppm (calculated)	
Grenseverdier (AN) (mg/m³) 950 mg/m³	Norway - Occupational Exposure Limits		
	Grenseverdier (AN) (mg/m³)	950 mg/m³	

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Ethyl alcohol (64-17-5)		
Grenseverdier (AN) (ppm)	500 ppm	
Grenseverdier (Korttidsverdi) (mg/m3)	1187.5 mg/m³ (value calculated)	
Grenseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)	
Switzerland - Occupational Exposure Limits		
MAK (mg/m³)	960 mg/m³	
MAK (ppm)	500 ppm	
KZGW (mg/m³)	1920 mg/m³	
KZGW (ppm)	1000 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH STEL (ppm)	1000 ppm	
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans	

#### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

No special protection required under normal conditions.

#### Eye protection:

No special protection required under normal conditions.

#### Skin and body protection:

No special protection required under normal conditions.

#### Respiratory protection:

No special protection required under normal conditions.

#### **Environmental exposure controls:**

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Fluid soaked paper towel Colour No data available Odour No data available Odour threshold No data available рΗ No data available Relative evaporation rate (butylacetate=1) No data available Melting point No data available Freezing point : Not applicable Boiling point : No data available Flash point : Not applicable Auto-ignition temperature : Not applicable : No data available Decomposition temperature Flammability (solid, gas) : Non flammable. Vapour pressure : No data available

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: No data available Relative vapour density at 20 °C Relative density : No data available : No data available Solubility 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 : Not applicable

#### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 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

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### **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

#### Water (7732-18-5)

LD50 oral rat	> 90 ml/kg
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Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

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Ethyl alcohol (	(64-17-5)
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IARC group 1 - Carcinogenic to humans

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

# **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

: Not classified

Ethyl alcohol (64-17-5)	
LC50 fish 1	12.0 – 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

# 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.32

### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

### 75% Alcohol wipes

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. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

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#### **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3175	UN 3175	UN 3175	UN 3175	UN 3175
14.2. UN proper shippin	g name			
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol)	Solids containing flammable liquid, n.o.s. (Ethyl alcohol)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol)
Transport document descr	iption			
UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 4.1, II, (E)	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 4.1, II	UN 3175 Solids containing flammable liquid, n.o.s. (Ethyl alcohol), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 4.1, II
14.3. Transport hazard	class(es)			
4.1	4.1	4.1	4.1	4.1
14.4. Packing group				
II	II	II	II	II
14.5. Environmental haz	ards			
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	n available	ı	ı	ı

### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : F1

Special provisions (ADR) : 216, 274, 601

Limited quantities (ADR) : 1kg
Excepted quantities (ADR) : E2

Packing instructions (ADR) : P002, IBC06, R001

Special packing provisions (ADR) : PP9
Mixed packing provisions (ADR) : MP11
Portable tank and bulk container instructions (ADR) : T3, BK1, BK2
Portable tank and bulk container special provisions : TP33

(ADR)

Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V11

Special provisions for carriage - Bulk (ADR) : VC1, VC2, AP2

Hazard identification number (Kemler No.) : 40

Orange plates :

40 3175

Tunnel restriction code (ADR) : E EAC code : 1Z

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Transport by sea

Special provisions (IMDG) : 216, 274 Packing instructions (IMDG) : P002 Special packing provisions (IMDG) : PP9 IBC packing instructions (IMDG) : IBC06 IBC special provisions (IMDG) : B21 Tank instructions (IMDG) : T3, BK2 Tank special provisions (IMDG) : TP33 : F-A EmS-No. (Fire) : S-I EmS-No. (Spillage) Stowage category (IMDG)

Properties and observations (IMDG) : Mixtures of non-dangerous solids (such as soil, sand, production materials etc.) and

flammable liquids.

Air transport

: E2 PCA Excepted quantities (IATA) PCA Limited quantities (IATA) : Y441 PCA limited quantity max net quantity (IATA) : 5kg PCA packing instructions (IATA) : 445 PCA max net quantity (IATA) : 15kg CAO packing instructions (IATA) : 448 CAO max net quantity (IATA) : 50kg Special provisions (IATA) : A46 ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 216, 274, 601, 800

Limited quantities (ADN) : 1 kg
Excepted quantities (ADN) : E2
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE03
Provisions for inspection of holds during carriage : IN01, IN02

(ADN)

Number of blue cones/lights (ADN) : 1

Additional requirements/Remarks (ADN) : VE03, IN01 and IN02 apply only when this substance is carried in bulk or without packaging

Rail transport

Classification code (RID) : F1

Special provisions (RID) : 216, 274, 601

Limited quantities (RID) : 1kg Excepted quantities (RID) : E2

Packing instructions (RID) : P002, IBC06, R001

Special packing provisions (RID) : PP9
Mixed packing provisions (RID) : MP11
Portable tank and bulk container instructions (RID) : T3, BK1, BK2
Portable tank and bulk container special provisions : TP33

(RID)

Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W1

Special provisions for carriage – Bulk (RID) : VC1, VC2, AP2

Colis express (express parcels) (RID) : CE11 Hazard identification number (RID) : 40

#### 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

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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

#### 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 nwg, Non-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

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

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Ontwikkeling

: Ethyl alcohol is listed

: Ethyl alcohol is listed

Ethyl alcohol is listed Ethyl alcohol is listed

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit

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PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Revision information : Issue date: 3/31/2020

Revision date: 3/31/2020

Version: 1.0

Data sources : Loli. ECHA reference.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:		
Flam. Sol. 1	H228	

Full text of H- and EUH-statements:	
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H228	Flammable solid.

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.