

# Safety Data Sheet

## TINGSTAD HANDESINFEKTION

Replaces date: 10/07/2012

Revision date: 25/11/2014

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

#### 1.1. Product identifier

**Trade name:** TINGSTAD HANDESINFEKTION

#### Vendor article no

Vendor article no	Description
1715	
60104	

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

**Recommended uses:** Hand disinfectant with oil-restoring effect.

**Inadvisable uses:** All other use is forbidden.

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

##### Supplier

**Company:** Tingstad Papper AB  
**Address:** Box 13013  
**Zip code:** 415 02 Göteborg  
**Country:** SWEDEN  
**E-mail:** kontakt@tingstad.se  
**Phone:** 031-707 20 00  
**Fax:** 031-25 18 21  
**Contact person:** Name: Kvalité och Miljö, Tingstad Papper AB

#### 1.4. Emergency Telephone Number

112 (SOS Alarm) (0-24) 08-33 12 31 (Giftinformationscentralen) (0-24)

### SECTION 2: Hazards identification

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

**CLP-classification:** Flam. Liq. 2;H225

**Most serious harmful effects:** Highly flammable liquid and vapour.

#### 2.2. Label elements

##### Pictograms



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**Signal word:** Danger

### Contains

**Substance:** ethanol, ethyl alcohol, Isopropanol

### Hazard Statements

H225 Highly flammable liquid and vapour.

### Supplemental information

P102 Keep out of reach of children. P233 Keep container tightly closed. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P370/P378 In case of fire: Use foam or powder agent or water spray to extinguish. P501 Dispose of contents /container at waste collection point or recycling centre – in accordance with local and national regulations. P305+P351+ IF IN EYES: Rinse cautiously with (lukewarm) water for several minutes. Do not rub your eyes. P301+ IF SWALLOWED: Rinse your mouth and drink a couple glasses of water (only if the person is conscious). P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

### 2.3. Other hazards

No known information.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
ethanol, ethyl alcohol	64-17-5	200-578-6	01-2119457610-43	60 - 80%		Flam. Liq. 2;H225
Isopropanol	67-63-0	200-661-7	01-2119457558-25	5 - 10%		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336

Please see section 16 for the full text of R-phrases and H-phrases.

**Ingredient comments:** Active substance: Ethanol (736 g/ kg), Isopropanol (74 g/ kg).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:** Fresh air. Get medical attention if any discomfort continues.

**Ingestion:** Rinse the mouth with water. Drink a few glasses of water. Do not induce vomiting. Contact physician if larger quantity has been consumed.

**Eye contact:** Rinse with lukewarm water. Get medical attention if any discomfort continues.

**General:** Show this safety data sheet, if possible.

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

Splashing into eyes may cause smarting/irritation.

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

No information available

## SECTION 5: Fire-fighting measures

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### 5.1. Extinguishing media

**Suitable extinguishing media:** Extinguishing agent: powder, foam or water mist.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

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

The product may ignite when heated to temperatures at or above the flash point. Vapours may give explosive mixture with air at temperatures below normal room temperature. Carbon oxides are emitted in a fire.

### 5.3. Advice for fire-fighters

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

**Other Information:** Containers close to fire should be removed immediately or cooled with water.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Wear necessary protective equipment. See section 8.

### 6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground.

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

Absorb in an inert material (sand, vermiculite, etc.) and collect into a suitable container. Minor spillage should be wiped away or flushed away with water.

### 6.4. Reference to other sections

**Other Information:** In the event of spillage involving the risk of environmental damage, get in touch with the authority responsible. Observe the risk of ignition. Keep away from ignition sources and ventilate the area.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid sources of sparking (smoking, fire, static electricity).

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

Keep in original container. Keep separate from food, feedstuffs, fertilizers and other sensitive material. Avoid high temperatures and direct sunlight.

### 7.3. Specific end use(s)

No known information.

## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

#### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	Comment	Remarks
Isopropanol	15m	250	600		
Isopropanol	8h	150	350		

### 8.2. Exposure controls

**Appropriate engineering controls:** Provide sufficient ventilation during operations which cause vapour formation.

## SECTION 9: Physical and chemical properties

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

Parameter	Value/unit
State	Viscous liquid.
Colour	Uncoloured.
Odour	Weak odour of alcohol.
Solubility	Miscible with water.
Explosive properties	
Oxidising properties	

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	~ 7	
Melting point	~ -45 °C	
Freezing point	No data	
Initial boiling point and boiling range	~ 80 °C	
Flash Point	~ 17 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	2 - 15 %	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	> 150 °C	
Decomposition temperature	No data	
Viscosity	~ 30000 cP	
Odour threshold	No data	

### 9.2 Other information

Parameter	Value/unit	Remarks
Density	~ 0.84 g/cm <sup>3</sup>	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at normal conditions.

### 10.2. Chemical stability

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Stable under recommended storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

Avoid heat, sparks and open flame.

### 10.5. Incompatible materials

No known information.

### 10.6. Hazardous decomposition products

Carbon oxides are emitted in a fire.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity - oral:** May cause discomfort. Nausea and vomiting. Ingestion of large quantity may cause: Unconsciousness.

**Acute toxicity - inhalation:** Inhalation of large amounts of vapour may cause: Tiredness. Dizziness.

**Serious eye damage/eye irritation:** May cause discomfort. Smarting.

**Other toxicological effects:** Toxicological data are only available for the components, not for the mixture.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### ethanol, ethyl alcohol

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Acute fish		96h	LC50	> 1000mg/l			
Acute Daphnia		48h	EC50	> 1000mg/l			

#### Isopropanol

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Acute fish		96h	LC50	> 1000mg/l			
Acute algae		72h	EC50	> 1000mg/l			
Acute Daphnia		48h	EC50	> 1000mg/l			

No negative effects on the aquatic environment are known.

### 12.2. Persistence and degradability

#### ethanol, ethyl alcohol

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
BOD		28d		85 %			

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### Isopropanol

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		21d		> 95%		BOD20/ThOD	

Expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

#### ethanol, ethyl alcohol

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Log Pow				-0.32			

#### Isopropanol

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Log Pow				< 3			

Bioaccumulation improbable.

### 12.4. Mobility in soil

No information available

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. Other adverse effects

Not regarded as dangerous for the environment. The assessment is based on the properties of the components.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Empty packaging is sent for recycling. Residues and used product that cannot be reused must be treated as dangerous waste. Local and EU regulations for refuse treatment must be followed.

Proposal EWC-code: 07 06 04.

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1. UN-No.:	1987	14.4. Packing group:	II
14.2. UN proper shipping name:		14.5. Environmental hazards:	
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:	33	Tunnel restriction code:	(D/E)
Other Information:			

### Inland water ways transport (ADN)

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**14.1. UN-No.:**

**14.2. UN proper shipping name:**

Alcohols, n.o.s (Isopropanol)  
Alcohols, n.o.s (Ethanol)

**14.4. Packing group:**

**14.5. Environmental hazards:**

**14.3. Transport hazard class(es):**

**Hazard label(s):**

**Environmentally hazardous in tank vessels:**

**Other Information:**

### Sea transport (IMDG)

**14.1. UN-No.:**

1987

**14.2. UN proper shipping name:**

Alcohols, n.o.s (Isopropanol)  
Alcohols, n.o.s (Ethanol)

**14.4. Packing group:**

II

**14.3. Transport hazard class(es):**

3

**14.5. Environmental hazards:**

**Environmental Hazardous Substance Name(s):**

**Hazard label(s):**

3

**EmS:**

**IMDG Code segregation group:**

**Other Information:**

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

**14.1. UN-No.:**

**14.2. UN proper shipping name:**

Alcohols, n.o.s (Isopropanol)  
Alcohols, n.o.s (Ethanol)

**14.4. Packing group:**

**14.5. Environmental hazards:**

**14.3. Transport hazard class(es):**

**Hazard label(s):**

**Other Information:**

### 14.6. Special precautions for user

No special precautions required.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not relevant.

## SECTION 15: Regulatory information

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

**Special Provisions:**

Statute Book of the Swedish Work Environment "Occupational exposure limit values and measures against air contaminants", AFS 2011:18. Directive 98/8/EC concerning the placing of biocidal products on the market. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### 15.2. Chemical Safety Assessment

**Other Information:**

No information available

## SECTION 16: Other information

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### List of relevant H-statements

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

**Document language:** GB