

Safety data sheet

Renseserviet til Thermo Transfer printhoved og valse

Version 3.0

Effective date: 25-03-2019

Revised date: 24-01-2023

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier.

Trade name: Renseserviet til Thermo Transfer printhoved og valse.

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

Product use: Cleaning wipes for label printers.

Uses advised against: -

1.3 Details of the Supplier of the safety data sheet:

Company: Norris Print-Tech A/S
Sofiendalsvej 81
DK-9200 Aalborg SV
Phone: +45 98 18 17 77
Fax: +45 98 18 09 10

Contact: info@npt.dk

1.4 Emergency telephone number:

Use your national or local emergency number
See section 4 "First aid measures"

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture to CLP No 1272/2008/GB CLP.

Eye Irrit. 2, STOT SE 3, Flam. Liq. 3 // H336, H319, H226.

2.2 Label elements CLP No 1272/2008:

Hazard pictograms:



Signal word:

Warning

Contains: Isopropanol

Hazard statements:

Flammable liquid and vapour. (H226)

Causes serious eye irritation. (H319)

May cause drowsiness or dizziness. (H336)

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Precautionary statements:

Prevention:

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Wash exposed areas thoroughly after handling. (P264)

Response:

If eye irritation persists: Get medical advice/attention. (P337+P313)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage:

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

Disposal:

Dispose of contents/container to an approved waste disposal plant. (P501)

2.3 Other hazards.

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

The product is a mixture.

3.2 Mixture:

CAS / EC No:	Index-no:	Name	Content %	Classification
67-63-0 / 200-661-7	603-117-00-0	Isopropanol*	~70	Flam. Lig. 2; H225, Eye Irrit. 2; H319, STOT SE 3; H336.

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

*Organic solvent.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation:

Get the person into fresh air and stay with them.

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Skin contact: Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact: Remove contact lenses. Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If eye irritation persists: Get medical advice/attention.

Ingestion: Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

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

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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

If eye irritation persists: Get medical advice/attention.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

Unsuitable extinguishing media:

Water jets should not be used, since they can spread the fire.

5.2 Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation of vapors from waste material. Stores that have not ignited must be cooled by water mist. Where possible, remove flammable materials. Make sure there is sufficient ventilation.

6.2 Environmental precautions:

No specific requirements.

6.3 Methods and material for containment and cleaning up:

The product can be collected for disposal.

6.4 Reference to other sections:

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2 Conditions for safe storage, including any incompatibilities:

Always store in containers of the same material as the original. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and ventilated area, away from possible sources of combustion. Protect from frost.

7.3 Specific end use(s):

This product should only be used for applications described in Section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits WEL (Great Britain):

CAS No	Name:	Limits:
67-63-0	Isopropanol	Long-term exposure limit (8-hour TWA reference period): 400 ppm 999 mg/m ³ Short-term exposure limit (15-minute reference period): 500 ppm 1250 mg/m ³

TWA: Time-Weighted-Average.

DNEL / PNEC:

Data not available.

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8.2 Exposure controls.

Appropriate technical measures:

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values. Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.



Respiratory protection:

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

Hand protection:

Recommended: Nitrile rubber. EN 374.
Breakthrough time ≥ 240 min.

Eye protection:

Use safety glasses in risk of eye contact. EN 166.

Body protection:

Normal work clothing.

Measures to avoid environmental exposure:

No specific requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Solid woven fabric
Colour:	Product specific
Odour:	Characteristic
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Flammable
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	7*
Kinematic viscosity:	Not relevant/no data

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Solubility:	Soluble in water*
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	Not relevant/no data
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

*The impregnated liquid.

9.2 Other information:

None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available.

10.2. Chemical stability: The product is stable under the conditions, noted in the section on "Handling and storage".

10.3 Possibility of hazardous reactions:
No special.

10.4 Conditions to avoid: Avoid static electricity.

10.5 Incompatible materials: Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6 Hazardous decomposition products:
The product is not degraded when used as specified in section 1.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity: Not classified.

Isopropanol:

Oral:	LD50:	Rat:	4570 mg/kg
Dermal:	LD50:	Rabbit:	13400 mg/kg
Inhalation:	LC50:	Rat:	4 hours: 30 mg/l

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified .

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

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Specific target organ

toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ

toxicity – repeated exposure: Not classified.

Aspiration hazard: Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Other information:

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity: Not classified harmful to the environment.

Isopropanol:

Daphnia:	EC50:	48 hours:	9714 mg/l
Algae:	EC50:	72 hours:	1450 mg/l
Fish:	LC50:	96 hours:	10400 mg/l

12.2. Persistence and degradability:
No data available.

12.3 Bioaccumulative potential:
No data available.

12.4 Mobility in soil: No data available.

12.5 Result of PBT and vPvB assessment:
Contains no PBT or vPvB substances according to REACH No 1907/2006.

12.6 Endocrine disrupting properties:
The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects: None known.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

The coding of a waste stream is based on the application of the product by the consumer. Dispose of in accordance with internal procedures and rules.

Option:

EWC-code:

16 07 99 wastes not otherwise specified.

Contaminated packing:

Properly cleaned container is disposed of according to packaging material, otherwise for incineration.

SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	3175	3175
14.2 UN proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S (Isopropanol)	SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S (Isopropanol)
14.3 Transport hazard class(es)	4.1	4.1
14.4 Packing group	II	II
14.5 Environmental hazards - MP	No	No
Other informations	LQ: 1 kg. Tunnel: E	LQ: 1 kg. Tunnel: E

14.6 Special precautions for user:

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

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SECTION 15. REGULATORY INFORMATION

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

Sources:

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information: People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness

Additional information:

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.

Changes 24-01-2023 section:

2, 3, 8, 9, 11, 12, 13, 14, 15.

Validated by:

www.am-gruppen.dk