




	<b>SAFETY DATA SHEET</b>		
	In accordance with REACH Regulation EC No. 1907/2006 as amended by EC 453/2010.		
Product:	Versawipes		
Version:	Version 5	Date: 29/07/2025	
Supersedes:	Version 4: dated 23/05/2015	Page: 1 of 9	

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1	<b>Product Identifier</b>	Versawipes
	<b>Other means of identification</b>	PHCW-100-WIPES
		VWIPES-B50
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	
	Uses:	A wet wipe for cleaning thermal printheads, platen rollers and label sensors.
	Not to be used for:	* For cleaning the above parts only
1.3	<b>Details of the supplier of the Safety Data Sheet</b>	
	<b>Company Name:</b>	Thermal Transfer Solutions Limited
	<b>Address:</b>	Unit 27, Eagle Road, Manorside Industrial Estate Redditch Worcestershire B98 9HE United Kingdom
	<b>Telephone:</b>	+44 (0)1527 517577
	<b>Email:</b>	sales@tts.eu.com
	<b>Website:</b>	www.thermaltransfersolutions.com
1.4	<b>Emergency Telephone Number</b>	
	<b>Telephone:</b>	National Poisons Information Service (UK) +44 (0)844 8920111

## SECTION 2: HAZARDS IDENTIFICATION



2.1	<b>Classifications of the substance or mixture</b>	
	<b>GHS Classification</b>	Flammable Solids 1 Specific target organ toxicity, single exposure 3
	<b>Main Hazards</b>	Highly Flammable. Irritating to eyes.
	<b>Label Elements</b>	 
	<b>Signal Word</b>	Danger

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2.2	<b>Hazard Statement</b>	H228 - Flammable Solid
		H336 - May cause drowsiness or dizziness
	<b>Precautionary Statement: Prevention</b>	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/ventilation/lighting equipment P261 – Avoid breathing dust/fume/gas/mist/vapours/spray. P271 – Use in a well-ventilated area. P280 – Wear protective gloves during use. P103 - Read label before use.
	<b>Precautionary Statement: Response</b>	P304+P340; IF INHALED: Remove person to fresh air and keep comfortable for breathing P319: Get medical help if you feel unwell P370+P378: In case of fire: Use an appropriate extinguisher to extinguish. Alcohol resistant foam, or Carbon Dioxide (CO2) can be used. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell. P305+P351 +P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/ attention.
	<b>Precautionary Statement: Storage</b>	P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.
	<b>Precautionary Statement: Disposal</b>	P501: Dispose of contents / container to a licensed waste disposal company in compliance with local and national regulations.
2.3	<b>Other Hazards</b>	This product does not contain any PBT or VPvB substances.

### SECTION 3: COMPOSITION / INFORMATION OF INGREDIENTS

3.1	<b>Substances</b> 67/548/EEC / 1999/45/EC				
	<b>Component</b>	<b>CAS No.</b>	<b>EC No.</b>	<b>Conc (%w/w)</b>	<b>Classification</b>
	Isopropanol (Propan-2-ol)	67-63-0	200-661-7	70%	F; R1 1 Xi;
	Water	7732-18-5	231-791-2	30%	
3.2	<b>Mixtures</b>	See section 3.1 for further information			
3.3	<b>Further information</b>	For full text of Hazard Statements and R-phrases: see SECTION 16.			



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#### SECTION 4: FIRST AID MEASURES

4.1	<b>Description of first aid measures</b>	
	<b>NOTE TO PHYSICIAN</b>	In case of shortness of breath, give oxygen. Keep victim warm and under observation. Symptoms may be delayed.
	<b>After Inhalation</b>	Inhalation is highly unlikely due to liquid impregnated on a fabric substrate, therefore considered to be not hazardous by inhalation. IF INHALED: Remove Victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if irritation or symptoms persist.
	<b>After Eye Contact</b>	Eye contact is unlikely due to liquid impregnated on a fabric substrate. Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention immediately.
	<b>After Skin Contact</b>	No irritating of the skin expected. Seek medical attention if irritation or symptoms persist.
	<b>After Ingestion</b>	Ingestion is highly unlikely due to liquid impregnated on a fabric substrate. Rinse mouth thoroughly. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as collar, tie, belt or waistband. Do not use mouth to mouth method if victim ingested the substance. Seek medical attention if irritation or symptoms persist.
4.2	<b>Most important symptoms / effects, acute and delayed</b>	Vapours may cause drowsiness and dizziness. Eye contact causes serious eye irritation.
4.3	<b>Indication of any immediate medical attention / treatment needed.</b>	If you feel unwell, seek medical advice (show the label where possible). No specific first aid measures noted

#### SECTION 5: FIREFIGHTING MEASURES

5.1	<b>Extinguishing Media</b>	This product is flammable. Use extinguishing media appropriate to the surrounding fire conditions, such as Water spray, alcohol-resistant foam, carbon dioxide, dry chemical powder or sandy soil.
5.2	<b>Special Hazards arising from the substance or mixture</b>	In the event of a large fire toxic fumes including but not limited to carbon monoxide, carbon dioxide, toxic fumes and gases may be formed, which would necessitate the use of a self-contained breathing apparatus. Vapour may travel considerable distance to source of ignition and flash back.
5.3	<b>Advice for firefighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, and face mask.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES



6.1	<b>Person Related Safety Precautions</b>	Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact of the fluid with eyes. Ventilate closed spaces before entering. Keep unnecessary personnel away.
6.2	<b>Measures for environmental protection</b>	Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not flush into surface water. Prevent further leakage or spillage if safe to do so.
6.3	<b>Measures for containing and cleaning up</b>	Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
6.4	<b>Reference to other sections</b>	See section 7 for information on safe handling. For recommended personal protective equipment see section 8. For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

7.1	<b>Information for safe handling</b>	Avoid breathing dust/fume/gas/mist/vapours/spray. In case of insufficient ventilation, wear suitable respiratory equipment.
7.2	<b>Information about protection against explosions and fires</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take measures to prevent the build up of electrostatic charge.
7.3	<b>Conditions for safe storage</b>	<p>Keep out of the reach of children. Keep in a cool, dry, well ventilated area with relative temperature less than or equal to 80%, sealed and protected from light. Keep containers tightly closed. Store in correctly labelled containers. Do NOT allow to freeze.</p> <p>Store away from incompatible substances such as oxidizing agents, acid Anhydrides, aluminium, halogenated compounds, acids etc.</p> <p>The storage area should be equipped with appropriate variety and quantity of fire equipment, emergency treatment equipment and suitable materials for leakage.</p>

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



8.1	<b>Control parameters</b>	The product is impregnated onto a fabric substrate so free liquid will not be available and exposure significantly mitigated.				
8.2	<b>Limit values for exposure</b>					
	<b>Component</b>	<b>CAS Number</b>	<b>ACGIH TLV-TWA</b>	<b>ACGIH TLV-STEL</b>	<b>NIOSH REL-TWA</b>	<b>NIOSH REL-STEL</b>
	Isopropyl Alcohol	67-63-0	200 PPM	400 PPM	400 PPM	500 PPM

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8.2.1	<b>Appropriate engineering controls</b>	Use adequate ventilation to keep airborne concentrations low. Provide safety shower and eyewash facilities.
8.2.2	<b>General protective &amp; hygienic measures</b>	Do not get this material in contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.
8.2.3	<b>Personal protective equipment</b>	Splash goggles, gloves, protective clothing and a vapor respirator.
8.2.4	<b>Breathing equipment</b>	When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators
8.2.5	<b>Hand/Face protection</b>	Wear appropriate chemical resistant gloves. Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	<b>Information on basic physical and chemical properties</b>	
9.1.1	<b>Appearance</b>	Blue or white nonwoven fabric impregnated with a colourless solution
9.1.2	<b>Odour</b>	Unfragranced but characteristic alcoholic odour
9.1.3	<b>pH</b>	Not available
9.1.4	<b>Melting Point/Freezing Point</b>	Not available
9.1.5	<b>Initial Boiling Point &amp; Range</b>	Not available
9.1.6	<b>Flash Point</b>	18°C
9.1.7	<b>Evaporation Rate</b>	Not available
9.1.8	<b>Flammability (solid, gas)</b>	Flammable
9.1.9	<b>Upper/Lower Flammability or explosive limits</b>	Not available
9.1.10	<b>Vapour Pressure</b>	Not available
9.1.11	<b>Vapour Density</b>	Not available
9.1.12	<b>Relative Density</b>	0.83 - 0.89
9.1.13	<b>Solubility(ies)</b>	Impregnating fluid completely soluble/miscible with water
9.1.14	<b>Partition Coefficient: n-octanol / water</b>	Completely miscible with water
9.1.15	<b>Auto-Ignition Temperature</b>	Not available
9.1.16	<b>Decomposition Temperature</b>	Not available
9.1.17	<b>Kinematic Viscosity</b>	Water thin

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9.1.18	Explosive Properties	Not available	
9.1.19	Oxidising Properties	Not available	
9.2	Other Information	None available	
SECTION 10: STABILITY AND REACTIVITY			
10.1	Reactivity	Avoid sparks, flames, heat and sources of ignition. Isopropyl Alcohol reacts with strong oxidants, and attacks some plastics and rubber.	
10.2	Chemical Stability	Stable under normal conditions. Will not decompose if stored and used as recommended.	
10.3	Possibility of Hazardous Reactions	Strong acids and Strong bases. Strong oxidising agents.	
10.4	Conditions to Avoid	Heat, sparks and open flames. Do NOT allow to freeze.	
10.5	Incompatible Materials	Avoid contact with oxidizing agents, acid anhydrides, aluminium, halogenated compounds and acids.	
10.6	Hazardous Decomposition Products	Decomposition products depend on temperature, air supply and other substances. Decomposition products may include but are not limited to: Carbon Monoxide, Carbon Dioxide, Irritating and Toxic Fumes and Gases.	
SECTION 11: TOXICOLOGICAL INFORMATION			
11.1	Information on toxicological effects		
11.1.1	Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.	
11.1.2	Acute Toxicity; Isopropyl Alcohol CAS 67-63-0	LD50 (Oral, rat): 5840 mg/kg LD50 (Dermal, rabbit): 12800 mg/kg	LD50 (Inhalation, rat): 37.5 mg/L (4h)
11.1.3	Skin Corrosion / Irritation	Based on available data the classification criteria are not met.	
11.1.4	Serious Eye Damage/ Irritation	Causes serious eye irritation	
11.1.5	Respiratory or Skin Sensitisation	Based on available data the classification criteria are not met.	
11.1.6	Germ Cell Mutagenicity	No mutagenic effects reported.	
11.1.7	Cardinogenicity	No carcinogenic effects reported.	
11.1.8	Reproductive Toxicity	No teratogenic effects reported.	
11.1.9	STOT Single Exposure	May cause drowsiness or dizziness.	
11.1.10	STOT Repeated Exposure	Not classified as a specific target organ toxicant after repeated exposure.	
11.1.11	Aspiration Hazard	Based on available data the classification criteria are not met.	
11.1.12	Chronic Effects	Not classified	

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## SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Ecotoxicity</b>	Based on the ingredients present and their concentrations this preparation is not expected to be hazardous to aquatic organisms.
12.2	<b>Persistence and Degradability</b>	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
12.3	<b>Bio Accumulative Potential</b>	No data available.
12.4	<b>Mobility in Soil</b>	The product is soluble in water.
12.5	<b>Results of PBT and vPvB Assessment</b>	The product does not contain any PBT or vPvB substances.
12.6	<b>Other Adverse Effects</b>	Not known.



## SECTION 13: DISPOSAL CONSIDERATION

13.1	<b>Waste Treatment Methods</b>	Contact a licensed waste disposal company. Dispose of as special waste in compliance with local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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## SECTION 14: TRANSPORT INFORMATION



	<b>Hazard Pictograms</b>	
14.1	<b>UN Number</b>	UN 3175
14.2	<b>UN Proper Shipping Name</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (contains Isopropanol)
14.3	<b>Transport Hazard Class(es)</b>	Division 4.1 Flammable Solids
14.4	<b>Packing Group</b>	PGII
14.5	<b>Environmental Hazards</b>	No
14.6	<b>Marine Pollutant</b>	No



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14.7	Special Precautions for User	Not Applicable			
14.8	Transport in Bulk according to Annex II of MARPOL 73 / 78 and the IBC Code	Not Applicable			
	ADR/RID Hazard ID 33	Tunnel Category (D/E)			
	IMDG	EmSCode F-E-S-E			
	IATA Packing Instruction (Cargo)	354	Maximum Quantity 60 L		
	IATA Packing Instruction (Passenger)	353	Maximum Quantity 5 L		
SECTION 15: REGULATORY INFORMATION					
15.1	Safety, health & environmental regulations/legislation specific for substance/mixture	Commission Directive 2000/39/EC of 8 June 2000 established a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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 with amendments. Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.			
15.2	OSHA	Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200)			
15.3	EINECS Status	The main components of this chemical are included in EINECS inventory			
15.4	EPA TSCA Status	The main components of this chemical are included in TSCA inventory			
15.5	Canadian DSL (domestic substances list)	The main components of this chemical are included in DSL inventory			
15.6	HMIS (Hazardous Material Identification System Ratings)	Health: 2	Flammability: 3	Physical Hazard: 0	Personal Protection: H
	(4. Severe hazard, 3. Serious hazard, 2. Moderate hazard, 1. Slight hazard, 0. Minimal hazard)				



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15.7	WHMIS Rating	B2, D2B (Isopropyl Alcohol)
15.8	GB 12268-2012 List of Dangerous Goods	This product is a dangerous good on the GB 12268-2012 list of dangerous goods.

#### SECTION 16: OTHER INFORMATION

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. This Material Safety Data Sheet was based on the "Globally Harmonized System of Classification and Labelling of Chemicals", "Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations", "INTERNATIONAL MARITIME DANGEROUS GOODS CODE", "International Air Transport Association Dangerous Goods Regulations", the National Standards and other related dangerous chemicals management laws, regulations and standards, which are periodically updated and changed. To make dangerous goods/ hazardous chemicals comply with the relevant requirements of the latest management, regularly update is recommended.

16.1	Text of Risk Phrase; Section 3	RI 1 - Highly flammable.	R36 - Irritating to eyes.
16.2	Text of Hazard Statements; Section 3	Flam. Liq. 2: H225 - Highly flammable liquid and vapour.	
		Eye Irrit. 2: H319 - Causes serious eye irritation.	
		STOT SE 3: H336 - May cause drowsiness or dizziness.	
16.3	Glossary	ADR; European Agreement concerning the International Carriage of Dangerous Goods by Road IATA-DGR; Dangerous Goods Regulations by the "International Air Transport Association" (IATA) IMDG; International Maritime Dangerous Goods ICAO-TI; Technical instructions by the "International Civil Aviation Organization" (ICAO) EINECS; European Inventory of Existing Commercial Chemical Substances CAS; Chemical Abstracts Service LC50; Lethal Concentration, 50 percent    LD50; Lethal Dose, 50 percent EC50; Effective Concentration, 50 percent PBT; Persistent, bio accumulative, toxic RID; Regulations concerning International Carriage of goods by Rail vPvB; very persistent, very bio accumulative STOT; Specific Target Organ Toxicity    WEL; Workplace Exposure Limit.	
16.4	Further Information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy, reliability or completeness. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. It is the user's responsibility to satisfy him/herself as to the suitability of such information for his/ her own particular use.	