

PRODUCT SAFETY DATA SHEET

According to EC directive 91/155/EEC and subsequent amendments Version 2
Revision date September 2016

Toshiba Thermal Print Head Cleaner

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade Name	Toshiba Thermal Print Head Cleaner Wipe
Company Name	Toshiba Tec UK Imaging Systems Ltd Abbey Cloisters, Abbey Green, Chertsey, Surrey. KT16 8RB
Phone Number	0843 224 4944

2. COMPOSITION / INFORMATION ON INGREDIENTS

Denatured Ethanol (99%)	70% w/w
Water for injection	30% w/w
An alcohol water mixture	

3. HAZARDS IDENTIFICATION

The principal hazards of the product as supplied are:

Irritant R36
Highly Flammable R11
Vapours may cause drowsiness R67

4. FIRST AID MEASURES

On contact with eyes	:	Wash immediately with water. Obtain medical attention if symptoms persist.
On skin contact	:	No special measures required. Repeated exposure may produce irritation.
If inhaled	:	Remove from source of exposure. Obtain medical attention if symptoms persist.
On ingestion:	:	Rinse out mouth. Can cause drowsiness. Single lethal dose 250mls. Obtain medical attention.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media	:	CO ² extinguishing powder or water jet. Fight larger fires with foam.
Unsuitable extinguishing media	:	None known
Hazards during fire fighting	:	Flammability of vapours that may be heavier than air.
Special protective equipment / procedures	:	Self contained breathing apparatus and fire fighting protective clothing for larger fires.
Hazardous combustion products	:	Carbon Dioxide, Carbon Monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Gloves and eye protection, suitable protective clothing. Ensure the area is well ventilated.
Precautions to protect the environment	:	Do not allow the product to reach the sewage system. When used for its intended purpose this product should not cause adverse effects.
Methods for cleaning up	:	Contain major spillages. Absorb with non combustible granules, wash with water.

7. HANDLING AND STORAGE

Advice on safe handling of bulk raw material solution	:	Ensure good ventilation at workplace. Keep ignition sources away. Do not smoke. Protect against electrostatic charges.
Advice on storage of bulk raw material solution	:	Store in a cool location with good ventilation. In accordance with local legislation. Keep containers sealed.
Specific uses	:	As a general purpose disinfectant.
Unsuitable packing material	:	N/A

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls :

Exposure controls for hazardous components

Name	CAS-No.	Exposure limits
Isopropyl alcohol	67-60-0	4000ppm (OSHA) Flammable
Water	7732-18-5	N/A

Personal protection equipment

Respiratory protection	:	Not required for normal use
Hand protection	:	Wear gloves or barrier creams where prolonged skin contact is required.
Eye protection	:	Safety glasses.
Skin protection	:	Not required unless prolonged skin contact occurs.
Hygiene measures	:	Keep away from foodstuffs and beverages. Remove all contaminated clothing.
Environmental exposure controls	:	Do not smoke.
Additional information	:	Vapours can travel a considerable distance. Avoid contact with sources of ignition.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Clear Liquid **Colour:** Colourless **Odour:** Alcohol

Other data

Boiling point/range	:	82°C
Melting point/range	:	N/A
Flash point	:	13.3°C (Closed Cup)
Lower flammable limits	:	2.0% v/v

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Autoignition temperature	:	399°C
Explosive properties	:	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
Vapour pressure	:	44 (mmltg) @ 25°C
Specific Gravity	:	0.875 – 0.898
pH	:	6.1 to 7.2
Viscosity	:	
VOC content	:	70%
Molecular weight	:	N/A
Oxidizing properties	:	None

The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

Stability	:	Stable
Conditions to avoid	:	Ambient conditions above 35°C
Materials to avoid	:	Strong oxidising agents, strong acids, alkali metals, halogens, silver salts, hydrides hydrazine.
Hazardous decomposition Products	:	Carbon Monoxide, Carbon Dioxide.

11. TOXICOLOGICAL INFORMATION

On contact with eyes	:	Hazardous – irritant
On skin contact	:	Slightly hazardous – may cause skin dehydration.
If inhaled	:	Hazardous – may cause dizziness, nausea and vomiting.
On ingestion	:	Hazardous – may cause drowsiness, euphoria, nausea and vomiting.
Other Health Hazard Information	:	Oral rat LD50 = 7060mg/kg, inhalation LC50 = 20,000ppm. Ingestion may result in methyl alcohol poisoning.

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12. EXOLOGICAL INFORMATION

Environmental fate and distribution

Biodegrades in soil and water. When released in the air the material will degrade by reaction with photochemically produced hydroxyl radicals.

Fish : Not expected to be toxic to aquatic life. LC50/96 over 100mg/L

Invertebrates. : Not expected to be toxic.

Algae : Not Known

Bioaccumulation : Not expected to be.

Fate and effects in waste water treatment plants

Detrimental in high proportions.

13. DISPOSAL CONSIDERATIONS

Product disposal : To be considered hazardous waste and disposed of under local regulations.

Packaging disposal : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Road (ADR)

UN No. : 1219

Proper Shipping Name : Isopropanol solutions

Class : 3

Packing group : II

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Trem-Card : N/A

Labels : Isopropanol solutions

Sea transport (IMDG)

UN No. : 1219

Proper Shipping Name : Isopropanol solutions

Class : 3

Packing group : II

Marine pollutant : No

Labels : N/A

Air transport (IATA)

UN No. : 1219

Proper Shipping Name : Isopropanol

Class : 3

Packing group : II

Special Provisions : N/A

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Symbols : Irritant, Highly Flammable

R-phrases : R11 Highly Flammable
R36 Irritating to eyes
R67 Vapours may cause drowsiness

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S-phrases : S9 Keep container in well ventilated space
S16 Keep away from sources of ignition
S23(S) Do not breathe spray
S26 In case of contact with eyes – rise immediately
S51 Use only in well ventilated areas

National legislation / regulations

16. ADDITIONAL INFORMATION

Toshiba Thermal Print Head Cleaning Wipe Solution will evaporate in normal use, however ensure the used flammable wipe is disposed of in metal waste bins.

Isopropyl Alcohol is known by three other names: -

Dimethylcarbinol
Isopropanol
2-Propanol

