



SAFETY DATA SHEET

1. Identification

Name of the substance or mixture (trade name)	4KK83Series
Major recommended uses for the substance or mixture	Thermal sublimation ink ribbon/film used solely with photo paper and HP Sprocket Studio printing device.
Specific restrictions for use of the substance or mixture	Not available.
Manufacturer/Importer/Distributor information	
Company identification	HP Colombia SAS Carrera 7 No 99-53 Torre B Pisos 7 Bogota, Colombia
Telephone	(57) 1 639 0000
HP Inc. health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-760-710-0048
HP Inc. Customer Care Line	
(Toll-free within the US)	1-800-474-6836
(Direct)	1-208-323-2551
Email:	hpcustomer.inquiries@hp.com

2. Hazards identification

Classification of the substance or mixture

Physical hazards	Not classified.	
Health hazards	Sensitization, skin	Category 1
Environmental hazards	Not classified.	

GHS labeling elements, including precautionary statements

Hazard symbol(s)



Signal word	Warning
Hazard statement(s)	May cause an allergic skin reaction.

Precautionary statement(s)

Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	None known.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification None known.

GHS Supplemental information Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

3. Composition/information on ingredients

Mixture

Common chemical name or technical name	CAS number	Concentration or concentration range
C.i. Solvent Blue 63* (c.i. 61520*)	Proprietary	<1
C.i. Solvent Yellow 093	Proprietary	<0.1

4. First-aid measures

First-aid measures

Inhalation	Move into fresh air and keep at rest. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove contaminated clothing, including shoes, after flushing has begun.
Eye contact	Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. Make sure to remove any contact lenses from the eyes before rinsing. Do not rub eyes. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth out with water. If ingestion of a large amount does occur, seek medical attention. If symptoms occur, consult a physician.
Most important symptoms/effects, acute and delayed	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Means of fire extinguishing

Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Unusual fire & explosion hazards	None known.
Specific hazards arising from the chemical	Irritating and/or toxic gases may be emitted upon the products decomposition.
Special fire fighting procedures	Move containers from fire area if you can do so without risk. Evacuate area and fight fire from a safe distance. Avoid runoff into storm sewers and ditches which lead to waterways.
Protective measures taken by firefighting crews	Firefighters should wear full protective clothing including self contained breathing apparatus.

6. Control measures for spills and leaks

Personal precautions, protective equipment and emergency procedures

To be taken by those who are not involved in rendering emergency services	Avoid contact with skin Wear appropriate personal protective equipment.
To be taken by those who are involved in rendering emergency services	Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. See also section 13 Disposal considerations.
Methods and materials for containment and cleaning up	Sweep up or gather material and place in appropriate container for disposal.

7. Handling and storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing. Wash hands after handling.
Conditions for safe storage, including any incompatibilities	Avoid contact with oxidizing agents. Keep away from heat, sparks and flame. Store in a cool and shaded area.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	Exposure limits have not been established for this product.
Appropriate engineering controls	Use in a well ventilated area.

Personal protective measures

Eyes and face protection Safety glasses with side-shields.

Skin protection

Hand protection Wear protective gloves.

Personal protective equipment

General Use personal protective equipment to minimize exposure to skin and eye.

Personal protective measures

Other Not available.

Respiratory protection No personal respiratory protective equipment required under normal conditions of use.

Thermal hazards Not available.

Hygiene measures

Avoid contact with skin, eyes and clothing.
Do not eat, drink or smoke when using the product.
Wash hands after handling.
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Not available.
Color	Film. Yellow, Cyan, Transparent and Magenta.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling temperature range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

10. Stability and reactivity

Reactivity None known.

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	May cause sensitization by skin contact.
Eye contact	Contact with eyes may result in mild irritation.
Ingestion	Ingestion is not a likely route of exposure.

Symptoms Not available.

Acute toxicity Based on available data, the classification criteria are not met.

Components	Species	Test Results
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C.i. Solvent Blue 63* (c.i. 61520*)

Acute

Oral

Liquid

LD50 Rat > 2000 mg/kg

C.i. Solvent Yellow 093

Acute

Dermal

LD50 Rat > 2500 mg/kg

Inhalation

Dust

LC0 Rat 7.39 mg/l

Oral

Liquid

LD50 Rat > 6400 mg/kg

Skin irritation and corrosion Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Respiratory sensitization Based on available data, the classification criteria are not met.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Toxic to reproduction Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity

Components	Species	Test Results
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C.i. Solvent Blue 63* (c.i. 61520*) (CAS Proprietary)

Acute

Other EC50 Pseudokirchnerella subcapitata > 100 % v/v, 72 h

Components	Species	Test Results
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna > 100 % v/v, 48 h
<i>Acute</i>		
Other	EC50	Pseudokirchnerella subcapitata > 1 mg/l, 72 h
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna > 0.407 mg/l, 48 h
<i>Chronic</i>		
Fish	LC50	Danio rerio 22.7 mg/l, 96 h
Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential	Complete toxicity data are not available for this specific formulation	
Partition coefficient n-octanol / water (log Kow)	Not available.	
Bioconcentration factor (BCF)		
C.i. Solvent Yellow 093		708000 - 5572000 ml/kg
Mobility in soil	No data available for this product.	
Other adverse effects	Not available.	

13. Considerations on final disposal

Recommended methods for final destination

Residual waste	Not available.
Contaminated packaging	Dispose of as unused product.
Local disposal regulations	Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

15. Regulatory information

Federal regulations

Colombia. Controlled Substances (Resolution No. 009 of 1987 nationally regulating the transport & use of substances in subparag. f) of article 20 of Law 30 of 1986, as amended)

Not listed.

Venezuela. Chemical Precursors (Official Gazette No. 34.741, List I & II)

Not regulated.

International regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Montreal Protocol

Not applicable.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

Significant information, yet not specifically related to the previous sections Not available.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds