

MATERIAL SAFETY DATA SHEET

JP-K72 Printing Ink

THIS MATERIAL SAFETY DATA SHEET CONFORMS TO THE REQUIREMENTS OF ANSI Z400.1.
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION STANDARD).
IMPORTANT: READ THIS MSDS BEFORE HANDLING OR DISPOSING OF THIS PRODUCT.

SECTION I - PRODUCT & COMPANY IDENTIFICATION

Hitachi America, Ltd

MANUFACTURER / DISTRIBUTOR 50 Prospect Avenue

Tarrytown, NY 10591

PRODUCT NAME JP-K72 Printing Ink

MATERIAL USES Industrial coding applications; Ink Jet Printers

PRODUCT CODE N/A

Non-Emergency Phone 914-524-6685

EMERGENCY PHONE CHEMTREC (800) 424-9300

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

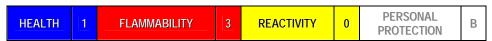
 Ingredient
 CAS#
 Percent Range (%)

 Methyl Ethyl Ketone
 78-93-3
 80-90

 Chrome (III)-Complex Dye
 72812-34-1
 1-10

SECTION III - HAZARDS IDENTIFICATION

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)



NOTICE: THESE RATINGS ARE FOR GENERAL RAPID INTERPRETATION. THE END-USER IS RESPONSIBLE FOR DETERMINING THE PROPER PROTECTIVE PROCEDURES.

EMERGENCY OVERVIEW **Warning!** Flammable Liquid and Vapor. Skin, Eye and Mucous Membrane Irritant. Do not use near fire or flame. May be fatal or cause blindness if swallowed. Avoid contact with skin, eyes and mucous membranes. If skin contact occurs, wash skin with mild soap and water. If splashed in eyes, flush with water. If inhaled, remove to fresh air. In medical emergency contact Poison Control Center (USA 800.222.1222). Read MSDS before using.





RISK STATEMENTS

R11 Highly Flammable

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed Irritating to eyes, respiratory system and skin

R66 Inhalation of vapors can provoke sleepiness and dizziness

SAFETY STATEMENTS

S2 Keep away from children.S7 Keep container tightly closed

S16 Keep container tigntly closed
S16 Keep away from sources of ignition - No Smoking!

S25 Avoid contact with eyes S36/37 Wear suitable protective clothing and gloves

In case of accident or if you feel unwell, seek medical advice immediately (show the label where

possible)

SECTION IV - FIRST AID MEASURES

ORAL INGESTION Do not induce vomiting unless directed to do so by medical personnel. Seek immediate medical attention.

EYE CONTACT Flush with water for 15 minutes and seek medical attention.

SKIN CONTACT Wash with soap and water. Wash contaminated clothing before reuse. Seek immediate medical attention.

INHALATION Remove to fresh air, if not breathing, give artificial respiration and seek medical attention.

SECTION V - FIREFIGHTING MEASURES

EXTINGUISHING MEDIA Alcohol Resistant foam or dry chemical

HAZARDOUS COMBUSTION
PRODUCTS

Carbon Monoxide, Carbon Dioxide

FIRE FIGHTING PROCEDURES

Wear self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Keep away all sources of ignition from spill. If spill is indoors, ventilate areas of spill and soak up the spill with absorbent material. Do not let spilled or leaking material enter watercourse.

SECTION VII - HANDLING AND STORAGE

HANDLING Avoid contact with eyes. Wash hands thoroughly with soap and water after handling. Utilize proper grounding with containers of material.

Storage Protect from freezing. Overheating may cause container to rupture. Covered storage in a cool, dry place out of direct sunlight is

preferable. Keep container tightly sealed until ready for use. Store away from ignition sources.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION

If workplace exposure limit(s) of product or any other component is exceeded, a NIOSH/OSHA approved respirator is advised. (See

your safety equipment supplier for specific details.)

VENTILATION Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/ TLV.

PROTECTIVE GLOVES Wear chemical resistant gloves. (Consult your safety equipment supplier.)

EYE PROTECTION

Wear chemical splash goggles in compliance with OSHA regulations. However, OSHA regulations also permit other types of safety

glasses.

OTHER PROTECTIVE

Wear impervious clothing and boots to prevent prolonged exposure.

OCCUPATIONAL EXPOSURE LIMITS:

 INGREDIENT
 ACGIH TLV*
 OSHA PEL*

 Methyl Ethyl Ketone
 200ppm
 200ppm

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE Liquid
COLOR Black
ODOR Solvent odor
BOILING RANGE 64 - 80° C
MELTING RANGE No measurement

SPECIFIC GRAVITY (WATER=1) ----DENSITY (Ibs / gal) 0.9 (20° C)
EVAPORATION RATE (N-BUTYL ACETATE=1) ----PERCENT VOLATILE BY VOLUME (%) -----

VAPOR PRESSURE < 9.4kPa (20° C) VAPOR DENSITY (AIR=1) Greater than air FLASH POINT (TCC) -7.0° C (closed cup) > 470° C **A**UTO **I**GNITION **T**EMPERATURE 11.5% UPPER FLAMMABLE LIMIT (%By Vol.) LOWER FLAMMABLE LIMIT (%By Vol.) 1.8%. Miscible SOLUBILITY IN WATER SOLUBILITY IN ORGANIC SOLVENTS Miscible рΗ Not Applicable

SECTION X - STABILITY & REACIVITY

CONDITION OF INSTABILITY

None Known

CONDITIONS OF REACTIVITY

Not applicable

Incompatibility

Strong oxidizing agents

Hazardous Decomposition Products

Carbon Monoxide, Carbon Dioxide

EXPLOSION DATA (SENSITIVE TO MECHANICAL IMPACT)

EXPLOSION DATA (SENSITIVE TO STATIC DISCHARGE)

Yes

SECTION XI - TOXICOLOGICAL INFORMATION

INGREDIENT TOXICOLOGICAL INFORMATION**

Methyl Ethyl Ketone

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY Not Available
PERSISTANCE / DEGRADABILITY Not Available
HEAVY METALS Not Available
No other ecological information is available for this product.

SECTION XIII - DISPOSAL CONSIDERATIONS

Absorb in vermiculite, floor absorbent or other non-combustible absorbent material and dispose in licensed facility. Observe all federal, state and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT / TDG UN Number & Proper Shipping Name UN1210 Printing Ink

DOT/TDG HAZARD CLASS 3

DOT/TDG LABEL FLAMMABLE LIQUID

PACKING GROUP II

EMERGENCY RESPONSE GUIDEBOOK NUMBER 129

SECTION XV - REGULATORY INFORMATION

TSCA All chemicals used are listed on the TSCA Inventory.

CERCLA This material does not meet the definition of a reportable quantity in packages shipped.

SARA 313 The following product(s) is (are) listed on SARA 313:

Methyl Ethyl Ketone

California Prop 65 This product contains the following ingredients that the State of California has found to cause cancer, birth defects,

or other reproductive harm, which requires a warning under the statute:

NONE

International Regulations

The components of this product are listed on the chemical inventories of the following countries:

Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom

SECTION XVI - OTHER INFORMATION

ISSUE DATE 04/2007

REVISION NUMBER 1

SUPERCEDES N/A
Chris Jordan,

PREPARED BY Product

Specialist

DISCLAIMER

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