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

PRODUCT NAME : Ink of Black Ribbon for Panasonic Dot matrix Printer

PRODUCT NUMBER : KX-P145-S

RECOMMENDED USE : Ink for Dot matrix printing apparatus

MANUFACTURER : Panasonic Corporation
Connected Solutions Company
Business Communication Business Unit
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Winsbergring 15, D-22525 Hamburg, Germany
Tel: +49 (0)40 8549- 0**SECTION 2 HAZARDOUS IDENTIFICATION**

GHS CLASSIFICATION : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS : Not required

SIGNAL WORD : Not required

HAZARD STATEMENTS : Not required

OTHER HAZARDS : None

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE OR MIXTURE : Mixture

Other substances with occupational exposure limits :

NAME	CAS #	EC #	ACGIH TLV	CONTENTS(Wt %)
[RIBBON INK]				
♦ Carbon black	1333-86-4	215-609-9	3.5 mg/m ³	2 - 5
♦ Mineral oil	8012-95-1	232-384-2	5 mg/m ³	1 - 4
[TANK INK]				
♦ Carbon black	1333-86-4	215-609-9	3.5 mg/m ³	1 - 3
♦ Mineral oil	8012-95-1	232-384-2	5 mg/m ³	0.5 - 2

Other components :

- ♦ Coloring Material
- ♦ Oil
- ♦ Additive
- ♦ Nylon 6-6 fabric
- ♦ PSM fiber

SECTION 4 FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

INHALATION : Not applicable

EYE CONTACT : Wash with water and consult a doctor promptly

SKIN CONTACT : Wash away ink on skin.

INGESTION : In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital.

SECTION 5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Water mist, Foam, Dry powder, CO2 gas, other
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS : Not applicable
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS : No special measures required.
SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE OR PREPARATION ITSELF, COMBUSTION PRODUCTS, RESULTING GASES : No information

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Consult the safety measures listed under headings 7 and 8.
ENVIRONMENTAL PRECAUTIONS : Not applicable
METHODS FOR CLEANING UP : If inadvertently released, rewind ribbon.

SECTION 7 HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.
HANDLING : No special
RECOMMENDED EQUIPMENT AND PROCEDURES : For personal safety, see Section 8.
STORAGE : Should be stored in dark and cool place.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

TECHNICAL MEASURES : Not applicable
RESPIRATORY PROTECTION : Not applicable in normal conditions of use.
HAND PROTECTION : Wear protective gloves when required.
EYE AND FACE PROTECTION : Not applicable in normal conditions of use.
SKIN PROTECTION : Wear suitable protective clothing when required.
For further information, see Section 11 of S.D.S. -
Toxicological information.
ENVIRONMENTAL EXPOSURE CONTROLS : Not applicable in normal conditions of use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION :
Nylon 6-6 fabric and PSM fiber impregnated with liquid black ink.
IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION :
pH OF THE SUBSTANCE OR PREPARATION : not relevant
WHEN A pH MEASURE IS POSSIBLE, IT HAS A VALUE OF : No data available
BOILING POINT/BOILING RANGE : No data available
FLASH POINT INTERVAL : No data available
VAPOUR PRESSURE : No data available
DENSITY : No data available
WATER SOLUBILITY : Negligible
VISCOSITY : No data available
OTHER INFORMATION :
MELTING POINT/MELTING RANGE : No data available
SELF-IGNITION TEMPERATURE : No data available
DECOMPOSITION POINT/DECOMPOSITION RANGE : No data available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY : Product is stable under normal conditions.
CHEMICAL STABILITY : Product is stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS : No dangerous reactions known.
CONDITIONS TO AVOID : High temperature, High humidity, direct sunlight
MATERIALS TO AVOID : None
HAZARDOUS DECOMPOSITION PRODUCTS : No dangerous decomposition products occur under normal storage and use conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

IN THE EVENT OF EXPOSURE BY INHALATION : No data is available regarding the ink itself.
IN THE EVENT OF SWALLOWING : No data is available regarding the ink itself.
IN THE EVENT OF SPLASHES / CONTACT WITH SKIN : No data is available regarding the ink itself.
IN THE EVENT OF SPLASHES / CONTACT WITH EYES : No data is available regarding the ink itself.
OTHER DATA : CARBON BLACK 1333-86-4 : IARC Group 2B Possibility carcinogenic to humans.

SECTION 12 ECOLOGICAL INFORMATION

No data available

SECTION 13 DISPOSAL CONSIDERATION

Do not pour into drains or waterways.
WASTE : Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not dispose of waste into the environment.

SECTION 14 TRANSPORT INFORMATION

TRANSPORT INFORMATION : This is not a hazardous product.
UN NUMBER : Not applicable

SECTION 15 REGULATORY INFORMATION

USA INFORMATION :
All ingredients(ink) are listed.
AUSTRALIA INFORMATION :
Not classified as hazardous according to criteria of NOHSC.
EU INFORMATION :
(EC) No 1907/2006 : AUTHORISATION ON USE : Not regulated
RESTRICTIONS ON USE : Not regulated
(EC) No 1272/2008 : CLASSIFICATION : None
HAZARD CLASS : None
HAZARD STATEMENT : None

SECTION 16 OTHER INFORMATION

Date of preparation / last revision 25/05/2015

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties