


**SAFETY DATA SHEET (US)****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<u>1.1 Product identifier</u>	EG P-Warm Red ND/NW
<u>1.2 Relevant identified uses of the substance or mixture and uses advised against</u>	Printing Ink
<u>1.3 Details of the supplier of the safety data sheet</u>	
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QC.DEPT.	MEGAMI INK MFG.CO.,LTD TOKYO OFFICE TECHNICALCENTER QUALITY ASSURANCE DEPT. 【TEL】+81-48-994-4775 【FAX】+81-48-994-4785 E-Mail hinsho@megamiink.com
<u>1.4 Emergency telephone number</u>	【TEL】+81-48-994-4770

**2. HAZARDS IDENTIFICATION**

<u>2.1 Classification of the substance or mixture</u>	Mixture GHS classification in according with KOSHA (KOREA OCCUPATIONL SAFETY & HEALTH AGENCY)
<u>2.2 Label elements</u>	
SYMBOL	
SIGNAL WORD	Warning
HAZARD STATEMENTS	H332 Harmful if inhaled H317 May cause an allergic reaction H320 Cause eye irritation H335 May cause respiratory irritation
PRECAUTIONARY STATEMENTS	
PREVENTION	P261 Avoid breathing dust/fumes/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective glove protective clothing eye, face protection.
RESPONSE	P314 Get medical advice/attention if you feel unwell. P302/352 If on Skin: Wash with soap and water. P304/340 If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305/351/338 If in eyes, rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do. P333/313 If skin irritation or rash occurs, Get medical advice.
STORAGE	P405 Store locked up.
DISPOSAL	P501 Dispose of contents, container in accordance with applicable Laws and Regulation.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>3.1 Substance</u>	It is not a substance.
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## 3.2 Mixture

Mixture

Ingredients	Contain %	Cas Number	Hazardous Information
Colorants			
Pigment Red 53:1	20-25	5160-02-1	N/A
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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Resin			
Rosin modified phenolic resin	20-30	Registered	N/A
Vegetable oil			
Tung oil	10-20	8001-20-5	N/A
Soybean oil		8001-22-7	N/A
Solvent			
Petroleum Hydrocarbon	20-30	64742-46-7	H332/H320/H335/H304
Additive			
Additive	5>	Registered	N/A

## 4. FIRST AID MEASURES

## 4.1 Description of first aid measures

EYE	If this product comes in contact with the eye wash out immediately with fresh running water. If pain persists or recurs seek medical attention.
SKIN	If skin contact occurs flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
INHALED	If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Transport to hospital, or doctor.
SWALLOWED	If swallowed do not induce vomiting. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

## 4.2 Most important symptoms and effects, both acute and delayed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products.

5.3 Advice for firefighters

Required the use of respiratory protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described.

6.2 Environmental precautions

In the case of contamination of rivers, lakes or drains notify relevant authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

Ventilate, Clean-up personnel should use respiratory and/or liquid contact protection.

Inform Authorities if large amounts are involved.

6.4 Reference to other sections

For waste disposal, see section 13.

**7. HANDLING AND STORAGE**7.1 Precautions for safe handling

Avoid breathing vapors and contact with skin and eyes.

Avoid reaction with oxidizing agents. Avoid sources of heat.

**7. HANDLING AND STORAGE**

Wear personal protective equipment when handling.

Wash hands with soap and water after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place lower than 25°C. Avoid Sun light.

**8. EXPOSURE CONTROLS /PERSONAL PROTECTION**8.1 Control parameters

Petroleum hydrocarbon (Oil mist) ACGIH 2010 (TWA) 5 mg/m<sup>3</sup>

8.2 Exposure controls

Individual protection measures, such as personal protective equipment.

Respiratory protection

Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Chemical resistant gloves made of Butyl rubber or Polyethylene-polyvinyl alcohol laminated rubber.

Eye/ face protection

Safety Glasses with side shields, goggles, or face shield.

Skin and body protection

Suitable safety clothes, aprons, shoes and protective boots.

**9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties

APPEARANCE

Paste

ODOR

Slight odor

MELTING POINT

No information on the product.

FLASH POINT

132°C

VAPOR PRESSURE

No information on the product.

SOLUBILITY

Insoluble in water

SPECIFIC GRAVITY

1.10-1.20 (25°C)

N-OCTANOL/WATER IGNITION TEMPRATURE

No information on the product.

PECOMPOSITION TEMPURATURE No information on the product.

VOC PERCENT RANGE

20-30%

9.2 Other information

Not determined

**10. CHEMICAL STABILITY AND REACTIVITY INFORMATION**

<a href="#">10.1 Reactivity</a>	There are no known reactivity hazards associated with this product.
<a href="#">10.2 Chemical stability</a>	Stable under normal temperature conditions.
<a href="#">10.3 Possibility of hazardous reactions</a>	No information on the product.
<a href="#">10.4 Conditions to avoid</a>	No information on the product.
<a href="#">10.5 Incompatible materials</a>	No information on the product.
<a href="#">10.6 Hazardous decomposition products</a>	No information on the product.

**11. TOXICITY INFORMATION****11.1. Information on toxicological effects**

Acute toxicity (Inhalation)	Category 4	H322 as concentration of Petroleum Hydrocarbon $\geq 10\%$
Skin corrosion/irritation	No information on the product.	
Serious eye damage/eye irritation	Category 2B	H320 as concentration of Petroleum Hydrocarbon $\geq 10\%$
Skin Sensitizers	Category 1	H317 as concentration of Additive $\geq 1\%$
Gem cell mutagenicity	No information on the product.	
Carcinogenicity	No information on the product.	
Reproductive toxicity	No information on the product.	
Specific target organ toxicity exposure Category 3		H335 as concentration of Petroleum Hydrocarbon $\geq 10\%$
Specific target organ toxicity Repeated exposure		
Aspiration hazard	Category 1	H304 as concentration of Petroleum Hydrocarbon $\geq 10\%$

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Hazardous to the aquatic environment, Acute hazard	No information on the product.
Hazardous to the aquatic environment, Chronic hazard	No information on the product.

[12.2 Persistence and degradability](#) There are no data on the degradability of this product.

[12.3 Bioaccumulative potential](#) No data available on bioaccumulation.

[12.4 Mobility in soil](#) No data available.

**12.5 Results of PBT and vPvB assessment**

Not Classified as PBT/vPvB by current EU criteria.

**13. DISPOSAL CONSIDERATIONS**

<a href="#">13.1 Waste treatment methods</a>	Consult manufacturer for recycling options and recycle where possible consult waste management authority for disposal. Incinerate residue at an approved site. Recycle containers where possible or dispose of in an authorized landfill.
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**14. TRANSPORTATION INFORMATION**

<a href="#">14.1 UN number</a>	Not applicable
<a href="#">14.2 UN proper shipping name</a>	
<a href="#">14.3 Transport hazard class</a>	Not applicable
<a href="#">14.4 Packing group</a>	Not applicable
<a href="#">14.5 Environmental hazards</a>	Not applicable
<a href="#">14.6 Special precautions for user</a>	Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

**15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations legislation specific for the substance or mixture

SARA SECTIONS 313 This Product does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

## EPA TOXIC SUBSTANCES CONTROL ACT (TSCA)

All components of these products are included on the 8(b) TSCA inventory list.

## California Prop.65

This product contains a chemical known to the State of California to cause cancer.

Lake Red C Toner CAS 5160-02-1 Contain 20-25%

In the IARC classification, Lake Red C Toner to group-2B (Possibly carcinogenic to humans.) but the Printing Ink is group-C (Not classifiable as to its carcinogenicity to humans.).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier.

**16. OTHER INFORMATION**

Safety Data Sheet (SDS) is intended to provide for general industrial use as reference information in order to ensure the proper handling. It was created on the basis of reliable information but it is not a guarantee of the manufacturer.

Please take your appropriate measures of handling, etc. in their own responsibility.