

■Material Safety Data Sheet■

Date Revised: Feb 10, 2012

Date Prepared: Feb 10, 2012

NoMG051-017-0029-01E

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name(Trade name): RED-O-PAKE HD-FM

Manufacture's Information : Pantall(Japan),Inc..

Address : Japan 1-23-11, Sengoku, Bunkyo-ku, Tokyo

TEL 81-3-XXXX-XXXX / FAX 81-3-5319-8577/81-3-5319-8578

2. HAZARDS IDENTIFICATION

GHS Classification	Physical hazardous nature Flammable liquid	Division 2
	Dengerous for health Acute toxicity (Oral)	Division 5
	Acute toxicity (Endermatic)	No data
	Acute toxicity (Inhale : Gas)	No data
	Acute toxicity (Inhale : Dust, Mist)	No data
	Skin corrosion / irritative	No data
	Serious irritate the eyes	No data
	Sensitizing property of apparatus	No data
	respiratorius and skin	
	Skin sensitizing property	No data
	Generate cell mutagenicity	No data
	Carcinogen	
No data	Reproductive effect	No
data	OrganSingle exposure	
Specially Target	Repetition exposure	
No data	Attractant respiratory harmful effect	No data
/ Systematic Toxicity	Acute hazardous aquatic environment	No
No data	Inveteracy hazardous aquatic environment	No data
Hazardous Property for data		
Environment		
Factore Label		



Hazardous Information Instruction

No data

【First Aid】

Skin:Wash by water with soap.

Eyes: Immediately flush with water enough, see a doctor.

Ingestion: Do not induce vomiting. See a doctor.

If a fire occur, fight a fire in the proper way.

【Strage】

Under usually storage condition, it is stable.

【Disposal】

Do not burn even when empty.

Waste disposal of incombustible should be in accordance with the existing environmental regulation.

Country / Community Information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Single, Mixture: Mixture

Ingredient and content

Ingredient name	CAS No.	Concentration Wt. %
MEK	78-93-3	35.29
Butyl acetate	123-86-4	33.63
C.I.Solvent Red122	84961-40-0	17.41
Resin7	Un-indicating	3.72
IPA	87-63-0	3.37
C.I.Solvent Orange54	12237-30-8	3.07
Toluene	108-88-3	2.85
Additive agent	Un-indicating	0.59
Silicone	Un-indicating	0.06

4. FIRST AID MEASURES

For Skin Wash by water with soap.
 For Eyes Immediately flush with water enough, see a doctor.
 For Ingestion Do not induce vomiting. See a doctor.
 Expected acute symptom and late symptom: None expected.
 Most important sign and symptom: None expected.
 Protect the person received first aid: None required.
 Special notandum for doctor: None required.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: N/A
 Great Conflagration: CO2, dry chemical and form
 Forbidden Extinguishing Media: Oxidizing materials
 Special Fire Fighting Procedures: In the initial stage of fire, use fire extinguishers, or with large amount of water injection.
 Protect the Person Extinguish a Fire:None

6. ACCIDENTAL RELEASE MEASURES

Matters that require attention for Human Body, Protective Equipment and Emergency Measure:
 None required
 Matters that require attention for Environment:
 None required
 Collect Neutralization:
 None required
 Containment or Depurant and Equipment:
 None required
 Precaution of Second Disaster:
 None required

7. HANDLING AND STORAGE

Handling
 Precautions to be taken in handling None required
 Storage
 Precautions to be taken in storage None required

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Install the eye washing devices and safety shower where handle or stock this product.
 Protection Equipment
 For hands: None required
 For eyes: None required
 Other protective clothing or equipment None required

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form Condition (20°C) Liquid
 Odor Reddish liquid with ketone odor
 Boiling point No data
 Vapor pressure No data
 Density (20°C) 0.96
 pH (against water base) N/A
 Other No data
 Hazardous Information Flash point No data
 Ignition point No data
 Explosion limit No data

Other Hazardous Information

10. STABILITY AND REACTIVITY

Stability: Under usually storage condition, it is stable.

Hazardous Reactivity: Nothing

Avoid Condition: CO₂, CO, Oxides of nitrogen and potentially toxic fumes.

Avoid Touching: Oxidize materials

Hazardous Decomposition Product: Nothing

11. TOXICOLOGICAL INFORMATION (including examples of symptoms in humans and epidemiological information)

Harmful ingredient and exposure limit

Name	OSHA (PEL)	ACGIH(2005) (TLV-TWA)	IARC	OTHER
MEK	200ppm	200ppm		
Butyl acetate	200ppm	200ppm		
C.I.Solvent Red122				
Resin				
IPA	400ppm	200ppm		
C.I.Solvent Orange54				
Toluene				
Additive agent				
Silicone				

12. ECOLOGICAL INFORMATION

Acute Hazardous Aquatic Environment No data
Invertebrate Hazardous Aquatic Environment No data

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste disposal should be in accordance with the existing environmental regulation.

For Burning: Do not use oxidizing materials

In the initial stage of fire, use fire extinguishers, or with large amount of water injection.

Polluted container and package:

14. TRANSPORT INFORMATION

Common: Please follow the section 7. Check if there is no leakage from container and take cargo without falling, dropping and damage.

Land Transportation: In case of fall under the Fire Law, Industrial Safety and Health Law, Poisonous Material Control Law follows each relevant mode of transportation.

Marine Transportation: Please follow the Law for Safety of Vessel.

Air Transportation: Please follow the Aviation Law and regulation of ICAO.

15. REGULATORY INFORMATION

Industrial Safety and Health Law: Notice object goods (Article 57, section 2, Enforcement regulation 18-21, appendix 9.)

Fire Law: N/A

Law for Safety of Vessel N/A

Aviation Law: N/A

16. OTHER INFORMATION