

Section 1: Product Information

Name: HAMATITE PL-605-50-LV-UN
Description: Adhesive
Use: Primer for Brake Lining
MSDS number: 7103E
Appearance and odor: Black liquid, Organic solvent smell
Contact: Hamatite Technology Dept.
Emergency telephone: 81-463-31-2766 (Hiratsuka, Japan)
Product information: 81-463-31-2766 (Hiratsuka, Japan)
Effective date: 4/23/02
Supersedes date: 2/23/09

Section 2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name (GENERIC NAME) : Mixture
Trade Name : HAMATITE PL-605-50-LV-UN
Concentration : 40%
Chemical Component : Methyl Ethyl Ketone : 31%
Ethyl Alcohol : 16%
Methyl isobutyl keton : 3.6%
Monochlorobenzen : 9.5%
Phenol : 2.5%
Carbon Black : 5.1%
Non-Hazardous Ingredients :
Phenol Resin, NBR Rubber : 32.3%
CAS Registry Number : Methyl Ethyl Ketone : 78-93-3
Ethyl Alcohol : 64-17-5
Methyl isobutyl keton : 108-10-1
Monochlorobenzen : 108-90-7
Phenol : 108-95-2
Carbon Black : 1333-86-4
Non-Hazardous Ingredients :
Phenol Resin, NBR Rubber : Registered

Section 3: HAZARDS IDENTIFICATION

Emergency Overview : Black liquid with aromatic hydrocarbon odor.
Flammable liquid. It can burn in a fire and toxic gases may be generated.

Potential Health Effect:

INHALATION:

High concentrations of Methyl Ethyl Ketone, Ethyl Alcohol vapor are irritating to skin and respiratory tract. Inhalation of vapor may cause narcotic effects.

SKIN CONTACT:

Frequent or prolonged contact with Methyl Ethyl Ketone, Ethyl Alcohol may cause irritation from defatting of skin. Brief contact will not result in significant irritation.

EYE CONTACT:

May cause irritation.

INGESTION:

May cause injury.

FIRE:

Methyl Ethyl Ketone flammable liquid. And their vapors are easy to inflame.

EXPLOSION:

Methyl Ethyl Ketone vapor and air are explosive.

Section 4: FIRST-AID MEASURES

Inhalation :Remove to fresh air. If not breathing, give mouth-to-mouth resuscitation.
If breathing is difficult, give oxygen. Call a physician.

Skin Contact :Wash away immediately with soap and water. If irritation persists, get
medical attention.

Eye Contact :Flash eyes with a large amount of water until irritation subsides. If irritation
persists, get medical attention.

Ingestion :Get prompt medical attention.

Section 5: FIRE-FIGHTING MEASURES

Flashpoint and Method:-8°C Closed Cup

Flammable Limits: 1.8~11.5% by volume in air

Auto-ignition Temperature: 450°C over

General Hazard: Flammable liquid, Toxic gases will form upon combustion.

Hazardous Combustion Products: Carbon monoxide, Carbon dioxide

Extinguishing Media: carbon dioxide, dry chemical powder, foam

Fire Fighting Instructions: Since Methyl Ethyl Ketone is insoluble in water and
lighter than water, use of water in an uncontained area could
spread fire. Restrict of unauthorized personnel.

Protective Equipment: Firefighter should wear protective equipment and self-contained
breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

Take refuge from leeward. Prepare the extinguishing media. Wear protective equipment.

Eliminate source of ignition. Keep public away. Contain spilled liquid with sand or earth.

Recover by pumping(use the explosion-proof motor or hand pump), or by using a suitable
absorbent.

Section 7: HANDLING & STORAGE

Handling :

The operator should be trained in handling this product. Appropriate protective
Equipment should be used for this operation. Keep container closed. Use with adequate
ventilation. Do not handle near an open flame, sources of heat, or sources of ignition.
Avoid contact with eyes and skin. Avoid breathing of vapor.

Storage:

Keep out of reach of children. Keep eyewash bottle ready.

Keep away from open flame, heat, and sparks. Keep container closed. Store in cool
ventilated place. Don't store above 35°C or below 5°C.

Material Safety Data Sheet

No7103E (3/4)

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION**Engineering Controls:**

Control airborne concentrations below the exposure guideline. Use only with adequate ventilation. Local exhaust ventilation may be necessary. Use explosion-proof ventilation equipment.

Respiratory Protection:

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure self-contained breathing apparatus.

Skin Protection:

Use chemical resistant gloves.

Eye Protection:

Use safety glasses or chemical goggles.

Exposure Guidelines:

	<u>ACGIH TLV (TWA)</u>
Methyl Ethyl Ketone	200ppm
Ethyl Alcohol	1000ppm
Methyl isobuthyl keton	50ppm
Monochlorobenzen	10ppm
Phenol	5ppm
None established for Phenol Resin, NBR Rubber.	

Section 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance	: Black liquid, Organic solvent smell
Boiling point	: 78°C
Melting point	: Unknown
Specific gravity	: 1.0
Solubility in water	: Insoluble
Water reactive	: Stable

Section 10: PHYSICAL HAZARD (STABILITY & REACTIVITY)

Stability Reactivity	: Stable in normal handling conditions and use.
Oxidative effect	: No oxidative effect with other substances.
Hazardous decomposition products: Unknown	

Section 11: TOXICOLOGICAL INFORMATION**Irritation:**

High concentrations of Methyl Ethyl Ketone vapor may cause narcotic effects.

Skin:

Frequent or prolonged contact with Methyl Ethyl Ketone may cause irritation from defatting of skin.

Eye:

Methyl Ethyl Ketone vapor may cause irritation.

Acute Toxicity (LD50):	2737mg/kg (Oral/Rat); Methyl Ethyl Ketone
	13700mg/kg (Oral/Rat); Ethyl Alcohol
	2080mg/kg (Oral/Rat); Methyl isobuthyl keton

Material Safety Data Sheet

No.7103E (4/4)

1110mg/kg (Oral/Rat); Monochlorobenzen

317mg/kg (Oral/Rat); Phenol

Chronic Toxicity: May cause conjunctivitis, dizziness, sleeplessness, and gastrointestinal and optical disturbances.

Section 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: Unknown

Other Information: None

Section 13: DISPOSAL CONSIDERATION

Mix with a compatible chemical which is less combustible and incinerate. Any disposal practice must be in compliance with local, state and federal environmental control regulations.

Section 14: TRANSPORT INFORMATION

UN Class: 3.2 (Adhesives, containing a flammable liquid flashpoint below 23°C)

UN Number: 1133

Packing Group: II

Follow all regulations in your country.

Section 15: REGULATORY INFORMATION

Regulatory information with regard to this substance in your country should be examined.

Section 16: OTHER INFORMATION

In this sheets, the value of content, physical and chemical properties are measurement data, not guarantee value.