
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product LFM-48U TM-HP

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Sector of uses [SU]

Soldering Material

1.3. Details of the supplier of the safety data sheet

Distributor

Almit GmbH
Dekan Groh Straße 4, DE-64720 Michelstadt
Phone : +49 (0)6066 968840, Fax : +49 (0)6066 9688418
E-Mail : info@almit.de
Internet : www.almit.de

Advice

Uwe Niedermayer
E-mail (competent person):
uniedermayer@almit.de

1.4. Emergency telephone number

Manufacturer

Nihon Almit Co. Ltd.
Almit Building 2-14-2, Yayoicho, Nakano-ku, JP-164 Tokyo
164-8666
Phone : 00981 333792277
E-Mail : tokyo2@almit.co.jp
Internet : www.almit.com

1.4. Emergency telephone number

No information available.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

R42/43

R-phrases

42/43 May cause sensitization by inhalation and skin contact.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS07



GHS08

Signal word

Danger

Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Supplemental Hazard information (EU)

Health properties

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Adverse physicochemical effects

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Adverse human health effects and symptoms

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

May cause sensitization in susceptible people.

Inhalation of dust may cause irritation of the respiratory system.

Other adverse effects

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Process vapours can irritate airways, skin and eyes.

Information pertaining to special dangers for human and environment

Harmful by inhalation, in contact with skin and if swallowed.

! SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
8050-09-7	232-475-7	colophony	11,5 - 14,5	R43
7440-22-4	231-131-3	silver, metallic	2,8 - 3,2	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

If intensive inhalation of fumes seek medical treatment immediately.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Rinse out mouth and give plenty of water to drink.

Induce vomiting if patient is conscious, seek medical advice.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

Foam

Dry fire-extinguishing substance

Dry powder

Carbon dioxide

sand

Unsuitable extinguishing media

water

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.

Additional Information

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Use only in well-ventilated areas.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Keep separated from food and feed.

Wash hands and skin before breaks and after work.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Ventilate store-rooms thoroughly.
Keep only in original container.

Advice on storage compatibility

Do not store together with food.
Store at cool and aired place and at distance to acids and alkalies.

Further information on storage conditions

Store at cool and aired place.
Keep in a cool place.

Information on storage stability

Storage time 6 months maximum.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
7440-22-4	silver, metallic	8 hours	0,1		

8.2. Exposure controls**Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.
Breathing apparatus

Hand protection

PVC gloves
Neoprene gloves

Eye protection

safety goggles, in case of increased risk add protective face shield
tightly fitting goggles

Skin protection

protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Colour	Odour
pasty	grey	mild

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
melting range	217 - 220 °C				
Flash point	> 160 °C				

	Value	Temperature	at	Method	Remark
Ignition temperature	not determined				
Vapour pressure	< 0,1 mbar	20 °C			
Relative density	7,4 g/cm ³	20 °C			
Bulk density	not determined				
Vapour density	6	20 °C			
Solubility in water					insoluble
Viscosity	160 - 220 Pa*s	25 °C			

Explosive properties

no

9.2. Other information

No information available.

SECTION 10: Stability and reactivity
10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

no

10.5. Incompatible materials
Materials to avoid

Reactions with acids and strong oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Toxic metal compounds

Irritant gases/vapours

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	irritant			
Irritability eye	irritant			

Value/Validation	Species	Method	Remark
Skin sensitization	sensitizing		

SECTION 12: Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
Biological degradability			not readily degradable

Biological degradability**12.3. Bioaccumulative potential**

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects**General regulation**

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Recommendations for the product**

Collect waste separated in suitable, labeled and lockable containers.
Remove in accordance with local official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information**Transport/further information**

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 43 May cause sensitisation by skin contact.