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

1.1. Product identifier

Name of product SR37 LFM-48-S

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
Unterer Hammer 3, DE-64720 Michelstadt
Phone : +49 (0)6061 969250, Fax : +49 (0)6061 9692518
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,, Tokyo 164-8666, Japan
Phone : +81 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 Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Resp. Sens. 1	**H334**	
Skin Sens. 1	**H317**	

Hazard statements for health hazards

H317 **May cause an allergic skin reaction.**
H334 **May cause allergy or asthma symptoms or breathing difficulties if inhaled.**

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 water/... .
P304 + P341	IF INHALED: If breathing is difficult, remove victim 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 defattening or dermatitis.
May cause sensitization in susceptible people.
Inhalation of dust may cause irritation of the respiratory system.

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

Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
8050-09-7	232-475-7	colophony	1,3 - 5	Skin Sens. 1, H317
7440-22-4	231-131-3	silver, metallic	2,8 - 3,2	
7440-31-5	231-141-8	Tin	93 - 95	
7440-50-8	231-159-6	Copper	0,3 - 0,7	

REACH

CAS No	Name	REACH registration number
8050-09-7	colophony	01-2119480418-32-****
7440-22-4	silver, metallic	01-2119555669-21-****
7440-31-5	Tin	01-2119486474-28-****
7440-50-8	Copper	01-2119480154-42-****

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
For non-emergency personnel
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 or bodies of water..
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.

Information on storage stability
Storage time: 24 months.

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, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[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
tightly fitting goggles

Other protection measures
protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Colour	Odour
solid	silver-grey	odourless

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
Boiling temperature / boiling range	not determined				
melting range	217 - 221 °C				
Flash point	no				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	no				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	< 0,1 mbar	20 °C			
Relative density	7,4 g/cm3	20 °C			
Vapour density	6	20 °C			
Solubility in water					insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties
No information available.

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
not determined

10.5. Incompatible materials
Substances 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/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	irritant			
Eye irritation	irritant			
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

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 fot reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available.

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

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.

H317 May cause an allergic skin reaction.