

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

### 1.1. Product identifier

Name of product SRC HM1 RMA (Ag2) V16L

### 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

Venso Elektronik AB  
Ögärdesvägen 21, SE-43330 Partille  
Phone : +46 (0)31340 0275  
E-Mail : info@venso.se  
Internet : www.almit.se

### 1.4. Emergency telephone number

#### Emergency advice

Swedish Poisons Center: +46 (0)833 1231  
This number is only available at office times.

#### Manufacturer

Nihon Almit Co. Ltd.  
Almit Building 2-14-2, Yayoicho, Nakano-ku, JP-164 Tokyo  
164-8666  
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 |
|--------------------------------------|-------------------|--------------------------|
| Acute Tox. 4                         | H302              |                          |
| Acute Tox. 4                         | H332              |                          |
| Resp. Sens. 1                        | H334              |                          |
| Skin Sens. 1                         | H317              |                          |
| Repr. 1A                             | H360Df            |                          |
| STOT RE 2                            | H373              |                          |
| Aquatic Acute 1                      | H400              |                          |
| Aquatic Chronic 1                    | H410              |                          |

#### Hazard statements for health hazards

|             |  |
|-------------|--|
| H302 + H332 | Harmful if swallowed or if inhaled.  |
| H317        | May cause an allergic skin reaction.                                       |
| H334        | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H360Df      | May damage the unborn child. Suspected of damaging fertility.              |

H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to heart through prolonged or repeated exposure by swallowing.

#### Hazard statements for environmental hazards

H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

## 2.2. Label elements

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



GHS07



GHS08



GHS09

#### Signal word

Danger

#### Hazard statements for health hazards

H302 + H332 Harmful if swallowed or if inhaled.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H360Df May damage the unborn child. Suspected of damaging fertility.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to heart through prolonged or repeated exposure by swallowing.

#### Hazard statements for environmental hazards

H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements

##### Prevention

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

##### Storage

P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

##### Disposal

P501 Dispose of contents/container to ... .

#### Hazardous ingredients for labeling

Lead

**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.

Danger of cumulative effects.

May cause heritable genetic damage.

Danger of serious damage to health by prolonged exposure.

May impair fertility.

May cause harm to the unborn child.

**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 Regulation (EC) No 1272/2008 [CLP/GHS] |
|-----------|-----------|------------------|------------|--|
| 8050-09-7 | 232-475-7 | colophony        | ca. 10     | Skin Sens. 1, H317   |
| 7440-22-4 | 231-131-3 | silver, metallic | ca. 2      |  |
| 7439-92-1 | 231-100-4 | Lead             | ca. 32     |  |
| 7440-31-5 | 231-141-8 | Tin              | ca. 56     |  |

**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.

In case of inhalation of fumes symptoms of poisoning may occur after hours, medical treatment is necessary.

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**

Call for a doctor immediately.  
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**

**Physician's information / possible symptoms**

The following symptoms may occur:

Headache  
Asthmatic complaints  
Dizziness

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

No information available.

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**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 (CO<sub>2</sub>)

**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/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.

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## **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.

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### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with occupational exposure limits to be monitored

| CAS No    | Name | Code    | [mg/m3] | [ppm] | Remark |
|-----------|------|---------|---------|-------|--------|
| 7439-92-1 | Lead | 8 hours | 0,1     |       |        |

#### Indicative occupational exposure limit values (91/322/EEC, 2000/39/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

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

tightly fitting goggles

#### Other protection measures

protective clothing

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

pasty

#### Colour

grey

#### Odour

mild

#### Odour threshold

not determined

#### Important health, safety and environmental information

|  | Value          | Temperature | at | Method | Remark |
|--|----------------|-------------|----|--------|--------|
| <b>pH value</b>                            | not determined |             |    |        |        |
| <b>Boiling temperature / boiling range</b> | not determined |             |    |        |        |
| <b>melting range</b>                       | 179 °C         |             |    |        |        |
| <b>Flash point</b>                         | not determined |             |    |        |        |
| <b>Vapourisation rate</b>                  | not determined |             |    |        |        |
| <b>Flammable (solid)</b>                   | not determined |             |    |        |        |

|  | Value                     | Temperature | at | Method | Remark    |
|--|---------------------------|-------------|----|--------|-----------|
| <b>Flammability (gas)</b>                                | not determined            |             |    |        |           |
| <b>Ignition temperature</b>                              | not determined            |             |    |        |           |
| <b>Self ignition temperature</b>                         | not determined            |             |    |        |           |
| <b>Lower explosion limit</b>                             | not determined            |             |    |        |           |
| <b>Upper explosion limit</b>                             | not determined            |             |    |        |           |
| <b>Vapour pressure</b>                                   | < 0,1 mbar                | 20 °C       |    |        |           |
| <b>Relative density</b>                                  | 8,5 g/cm3                 | 20 °C       |    |        |           |
| <b>Bulk density</b>                                      | not determined            |             |    |        |           |
| <b>Vapour density</b>                                    | 6                         | 20 °C       |    |        |           |
| <b>Solubility in water</b>                               |                           |             |    |        | insoluble |
| <b>Solubility/other</b>                                  | not determined            |             |    |        |           |
| <b>Partition coefficient n-octanol/water (log P O/W)</b> | not determined            |             |    |        |           |
| <b>Decomposition temperature</b>                         | not determined            |             |    |        |           |
| <b>Viscosity</b>   | 150 - 300 Pa*s            |             |    |        |           |
| <b>Oxidising properties</b>                              | No information available. |             |    |        |           |
| <b>Explosive properties</b>                              | no                        |             |    |        |           |
| <b>9.2. Other information</b>                            | 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

#### 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

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

|                           | Value/Validation | Species | Method | Remark |
|---------------------------|------------------|---------|--------|--------|
| <b>Skin irritation</b>    | irritant         |         |        |        |
| <b>Eye irritation</b>     | irritant         |         |        |        |
| <b>Skin sensitization</b> | sensitizing      |         |        |        |

#### Subacute Toxicity - Carcinogenicity

|                     | Value | Species | Method | Validation                                      |
|---------------------|-------|---------|--------|---|
| <b>Mutagenicity</b> |       |         |        | Information on genotoxicity in vitro available. |

#### Experiences made from practice

Risk of strong health injuries in case of long-term exposition.

Irreversible injuries possible.

Liver and renal damage is possible.

Chronical health injuries possible.

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## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

|                                 | Elimination rate | Method of analysis | Method | Validation             |
|---------------------------------|------------------|--------------------|--------|------------------------|
| <b>Biological degradability</b> |                  |                    |        | 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.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

| Waste code No. | Name of waste |
|----------------|---------------|
| 17 04 03       | Lead          |

##### 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.

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### 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.

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### 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.

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**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.