

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Name of product RC-15 SH RMA

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses****Product categories [PC]**

Fluxes

**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
Flam. Liq. 2	H225	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H335	

**Hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**Hazard statements for health hazards**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

## 2.2. Label elements

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



GHS02



GHS07



GHS08

### Signal word

Danger

### Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

### Hazard statements for health hazards

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

### Precautionary Statements

#### Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P242 Use non-sparking tools.

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

P271 Use only outdoors or in a well-ventilated area.

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

#### Response

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

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing.

#### Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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

P405 Store locked up.

## 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.

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

### Adverse human health effects and symptoms

May cause sensitization in susceptible people.

**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**

Highly flammable.  
Harmful by inhalation, in contact with skin and if swallowed.  
Irritating to eyes, respiratory system and skin.  
Contact with combustible material may cause fire.

**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]
67-63-0	200-661-7	propan-2-ol	85 - 97	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
8050-09-7	232-475-7	colophony	6 - 15	Skin Sens. 1, H317

**REACH**

CAS No	Name	REACH registration number
8050-09-7	colophony	01-2119480418-32-****

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

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 soap and water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

Eye rinsing with water carefully while protecting unhurt eye.  
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**

Induce the patient to vomit by him self only if fully conscious.  
If swallowed by mistake drink plenty of water and seek medical treatment.  
Rinse out mouth thoroughly with water.

**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.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam  
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>)

Under certain fire conditions traces of other toxic substances cannot be excluded.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).

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

**Additional information**

Cool endangered containers with water spray jet.

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

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Ensure adequate ventilation.

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 seep away runed out product into ground or body 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**

Clean contaminated objects and floor thoroughly under consideration of environment regulations.

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. sand).

Cleaning measures with respiratory protection.

After taking up the material dispose according to regulation.

#### **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**

In case of free handling thoroughly sucking off vapours is necessary.  
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Open and handle container with care!  
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.  
Remove soiled or soaked clothing immediately.  
Wash hands and skin before breaks and after work.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
The product is easy combustible.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

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

#### **Advice on storage compatibility**

Store at cool and aired place and at distance to acids, alkalies and combustile materials.

#### **Further information on storage conditions**

Keep container tightly closed, store at cool and aired place, open and handle carefully.

#### **Information on storage stability**

Storage time: 12 months.

### **7.3. Specific end use(s)**

No information available.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Respiratory protection**

If ventilation insufficient, wear 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**

liquid

**Colour**

light yellow

**Odour**

alcoholic

**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 point / Freezing point</b>	not determined				
<b>Flash point</b>	ca. 10 - 12 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<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>	> 1 Vol-%				
<b>Vapour pressure</b>	0,01 mbar	20 °C			
<b>Relative density</b>	0,815 g/cm <sup>3</sup>	20 °C			
<b>Bulk density</b>	not determined				
<b>Vapour density</b>	not determined				

	Value	Temperature	at	Method	Remark
<b>Solubility in water</b>	not determined				
<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>	not determined				
<b>Solvent content</b>	85 - 97 %				
<b>Solids content</b>	3 - 15 %				
<b>Oxidising properties</b> No information available.					
<b>Explosive properties</b> No information available.					
<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

Reactions with acids and strong oxidising agents.

### 10.5. Incompatible materials

#### Substances to avoid

Reactions with strong oxidising agents.

### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	50 - 2000 mg/kg			

	Value/Validation	Species	Method	Remark
<b>LC50 acute inhalation</b>	5 - 50 mg/l ()			
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	irritant - risk of strong eye injuries			
<b>Skin sensitization</b>	sensitizing			
<b>Additional information</b>				
Toxicol dates refer to solvent.				

## 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>			readily degradable

### 12.3. Bioaccumulative potential

No information available.

### 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

#### Waste code No.

14 06 03\*

#### Name of waste

other solvents and solvent mixtures

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

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**

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1219	1219	1219
14.2. UN proper shipping name	Propan-2-ol (propan-2-ol)	Propan-2-ol (propan-2-ol)	Propan-2-ol (propan-2-ol)
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

**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.

**Land and inland navigation transport ADR/RID**

Hazard label(s) 3

Classification code 3

**Transport/further information**

Regulations concerning free quantities are to be observed.

**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.

H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.