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## Safety Data Sheet

### 1. Product and Company Identification

Product name :Rubbing Compound #1001-L

Name of supplier :SOLAR CO., LTD.

Address :1-7, Nunobiki-cho-2-chome, Chuo-ku, Kobe, Hyogo-Pref. 651-0097 JAPAN

Division :R & D DEPT.

Phone :+81-790-49-2366

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Product code(SDS NO) :EN100320-2

### 2. Hazards Identification

GHS classification and label elements of the product

GHS classification

HEALTH HAZARDS

Skin corrosion/irritation : Category 2

Carcinogenicity : Category 1A

Specific target organ toxicity-single exposure : Category 1

Specific target organ toxicity - single exposure; Respiratory tract irritation Category 3

Specific target organ toxicity - single exposure; Narcosis Category 3

Specific target organ toxicity-repeated exposure : Category 1



Signal word : Danger

HAZARD STATEMENT

Causes skin irritation.

May cause cancer

Causes damage to organs after single exposure.

May cause respiratory irritation

May cause drowsiness and dizziness

Causes damage to organs following repeated exposure.

PRECAUTIONARY STATEMENT

Prevention

Obtain special instructions before use.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Use personal protective equipment as required.

Response

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash before reuse.

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

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

Storage

Store locked up.

Store in well-ventilated place. Keep container tightly closed.

**Disposal**

Dispose of contents/container in accordance with local/national regulation.

**3. Composition/Information on Ingredients**

Substance/Preparation :Preparation

Ingredient name	content(%)	CAS No.	PRTR law No, Japan
Quartz	30 - 35	14808-60-7	
Aluminium oxide	10 - 15	1344-28-1	
Diatomaceous silica, flux-calcined	1 - 5	68855-54-9	
Cristobalite	1 - 5	14464-46-1	
Water	25 - 30	7732-18-5	
Kerosene	20 - 25	64742-81-0	
Mineral oil	0.1 - 1	Non Public	
Activator	1 - 5	Non Public	
Additive	0.1 - 1	Non Public	

**4. First-Aid Measures**

**IF INHALED**

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

**IF ON SKIN**

Never use solvent or thinner.

Wash with plenty of soap and water.

If you observe unusual symptom, have irritation/pain and/or feel unwell, seek medical advice.

**IF IN EYES :**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

**IF SWALLOWED**

Rinse mouth.

Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor/physician.

**5. Fire-Fighting Measures**

**Suitable extinguishing media**

In case of fire, use water mist, foam, dry powder or CO2.

**Specific fire-fighting measures**

Use appointed fire extinguisher.

Remove flammable matters quickly from nearby.

Apply water from a safe distance to cool and protect surrounding area.

**Special protective equipment and precautions for fire-fighters**

Fire extinguishing work has to be done from windward.

Wear proper protective equipment.

**6. Accidental Release Measures**

**Personnel precautions, protective equipment and emergency procedures**

Ventilate area after material pick up is complete.

Wear proper protective equipment.

Keep unauthorized personnel away.

**Environmental precautions**

- Prevent spills from entering sewers, watercourses or low areas.
- Methods and materials for neutralization, containment and cleaning up
- Place in a covered container.
- Use non-sparking tools to collect absorbed material.
- Preventive measures for secondary accident
- Prepare extinguishers before catching fire.

7. Handling and Storage

Precautions for safe handling

Preventive measures

- Use personal protective equipment as required.
- Take precautionary measures against static discharge.

Safety Measures/Incompatibility

- Handle in good ventilation.
- Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

- Keep container tightly closed.
- Protect from sunlight. Store in a well-ventilated place.
- Do not freeze.

8. Exposure Control/Personal Protection

Adopted value

- (Aluminium oxide)
- ACGIH(2007) TWA: 1 mg/m3(R) (Pneumoconiosis; LRT irr; neurotoxicity)
- (Cristobalite)
- ACGIH(2005) TWA: 0.025mg/m3( R) (Pulmonary fibrosis; lung cancer)
- (Quartz)
- ACGIH(2005) TWA: 0.025mg/m3( R) (Pulmonary fibrosis; lung cancer)
- (Kerosene)
- ACGIH(2001) TWA: 200mg/m3(P) (Skin)(Skin & URT irr; CNS impair)

Appropriate engineering controls

- Do not use in areas without adequate ventilation.
- Exhaust/ventilator should be available.

Protective equipment

Respiratory protection

- Wear respiratory protection.

Hand protection

- Wear protective gloves.

Eye protection

- Wear eye/face protection.

Skin and body protection

- Wear protective gloves/clothing

9. Physical and Chemical Properties

Physical properties

- Appearance :viscous liquid
- Color :white
- pH :ca 9.6
- Flash point :64 (Seta closed style) (on the analogy of similar article)
- Specific gravity :ca 1.30

10. Stability and Reactivity

Stability

Stable under normal storage/handling conditions.

#### 11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Carcinogenic effects

(Quartz)

IARC-Gr.1 ; Carcinogenic to humans.

(Aluminium oxide)

ACGIH-A4(2007) : (Not Classifiable as a Human Carcinogen)

(Cristobalite)

ACGIH-A2(2005) : Suspected Human Carcinogen

(Quartz)

ACGIH-A2(2005) : Suspected Human Carcinogen

(Kerosene)

ACGIH-A3(2001) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

(Cristobalite)

JSOH-1; Classifiable as to Human Carcinogenicity

(Quartz)

JSOH-1; Classifiable as to Human Carcinogenicity

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Specific target organ toxicity (single exposure cat.1)

(Quartz) respiratory apparatus/system

Specific target organ toxicity (single exposure cat.3 respiratory irritation)

(Kerosene) Respiratory tract irritation

Specific target organ toxicity (single exposure cat.3 drowsiness/dizziness)

(Kerosene) Narcosis

Specific target organ toxicity (repeated exposure cat.1)

(Quartz) respiratory apparatus/system; kidney

(Aluminium oxide) lung

Aspiration hazard

(Kerosene) ID852(2006)

#### 12. Ecological Information

Ecotoxicity

Water solubility

(Aluminium oxide)

none (ICSC, 2000)

(Kerosene)

none (ICSC, 1998)

(Cristobalite)

none (ICSC, 1997)

(Quartz)

none (ICSC) (ICSC, 1997)

#### 13. Disposal Considerations

Waste residues

Avoid release to the environment (- if this is not the intended use).

Dispose of contents/container in accordance with local/national regulation.

#### 14. Transport Information

UN No, UN CLASS

Not applicable to UN NO.

Special precautions in connection with transport or conveyance

Follow instruction in Handling & Storage.

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15. Regulatory Information

Industrial Safety and Health law, Japan

Chemical name et al should be informed :Aluminium oxide;Cristobalite;Quartz;

Diatomaceous silica, flux-calcined;Kerosene;Mineral oil

Fire protection law, Japan

Listed flammables : flammable liquids ; (limited qty) 2m3

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16. Other Information/References

Reference Book

Recommendations on the TRANSPORT OF DANGEROUS GOODS 16th edit. UN

2008 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2011 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/monoeval/grlist.html>

Supplier's SDS

Other information

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own test