

Material Safety Data Sheet

1. Product and Company Identification

Product name :Rubbing Compound #100-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

FAX :+81-790-49-1588

Product code(MSDS NO) :EN100300-2

2. Hazards Identification

GHS classification and label elements of the product

GHS classification

HEALTH HAZARDS

Acute toxicity Dust/Mists inhalation : Category 5

Skin corrosion/irritation : Category 3

Eye damage /eye irritation : Category 2

Germ cell mutagenicity : Category 2

Carcinogenicity : Category 1A

Specific target organ toxicity-single exposure : Category 1

Specific target organ toxicity-single exposure : Category 2

Specific target organ toxicity-repeated exposure : Category 1



Signal word :Danger

HAZARD STATEMENT

May be harmful if inhaled dust/mist

Causes mild skin irritation.

Causes eye irritation

Suspected of causing genetic defects

May cause cancer

Causes damage to respiratory apparatus/system

May causes damage to lung

Causes damage to kidney, respiratory apparatus/system and skin through prolonged or repeated exposure.

PRECAUTIONARY STATEMENT

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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.

Wear eye protection/face protection.

Use personal protective equipment as required.

Response

Get medical advice/attention if you feel unwell.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.

Storage

Store locked up.

Disposal

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

Not applicable to Japan class name

3. Composition/Information on Ingredients

Substance/Preparation :Preparation

Ingredient name	content(%)	CAS No.	PRTR law No, Japan
Quartz	45 - 50	14808-60-7	
Amorphous silica	0.1 - 1	7631-86-9	
Water	25 - 30	7732-18-5	
Mineral oil	20 - 25		
Activator	1 - 5		
Additive	0.1 - 1		

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.

Skin contact

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 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

(Exposure Control for handling personnel)
 Use personal protective equipment as required.
 (Protective measures against fire & explosion)
 Take precautionary measures against static discharge.

Safety Measures/Incompatibility

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

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

Control parameters e.g. occupational exposure limit values or biological limit values

Adopted value

(Quartz)ACGIH (2005) TWA: 0.025mg/m³(R) (Pulmonary fibrosis; lung cancer)

Appropriate engineering controls

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

Individual protection measures, such as personal 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 :pale yellow

pH :ca 9.6

Flash point :>100 (Seta closed style) (on the analogy of similar article)

Specific gravity :ca 1.30

10. Stability and Reactivity

Chemical stability

Stable under normal storage/handling conditions.

11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Acute toxicity

Oral toxicity component(s) data

(Amorphous silica)rat LD50 3160 mg/kg

Dermal toxicity component(s) data

(Quartz)mouse LDL0 40 mg/kg

Carcinogenic effects

(Quartz)IARC-Gr.1 ; Carcinogenic to humans.

(Amorphous silica)IARC-Gr.3 ; Not Classifiable as a Human Carcinogen.

(Quartz)ACGIH-A2(2005) : Suspected Human Carcinogen

(Quartz)JCIH-1; Classifiable as to Human Carcinogenicity

(Quartz)NTP-Known To Be Human Carcinogen

12. Ecological Information

Ecotoxicity

Water solubility

(Quartz)none (ICSC) (ICSC, 1997)

Bioaccumulative potential

(Mineral oil)log Pow=3.9 through 6 (cal.) (ICSC, 2001)

13. Disposal Considerations

Description of waste residues and information on their safe handling and methods of disposal

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.

Non Noxious :Water

Special precautions in connection with transport or conveyance

Follow instruction in Handling & Storage.

15. Regulatory Information

Industrial Safety and Health law, Japan

Chemical name et al should be informed :Quartz;Mineral oil;Amorphous silica

Fire protection law, Japan

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

16. Other Information/References

Reference Book

Recommendations on the TRANSPORT OF DANGEROUS GOODS 15th edit. UN

2008 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2008 TLVs and BEIs. (ACGIH)

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

JIS Z 7250 2005

Supplier's SDS

ezCric(Retrieval System/ Japan Chemical Database Ltd.)

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