

SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical name (Product name) Rubbing Compound No.1001-L

Product number 100320

SDS Number rdjp23-2

Manufacturer/Supplier SOLAR CO.,Ltd.

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SECTION 2- HAZARDS IDENTIFICATION

GHS classification

PHYSICAL HAZARDS Flammable liquid : Category 4

HEALTH HAZARDS Skin corrosion/irritation Category2

Carcinogenicity Category1A

Reproductive toxicity Category1B

Specific target organ toxicity (Single exposure)
Category 1 (Respiratory system)

Specific target organ toxicity (Single exposure)
Category 3 (Anesthetic system,Respiratory tract
irritation)

Specific target organ toxicity(repeated exposure)
:Category 1(Respiratory system,Kidney,Lung)

Hazards not stated here are "Not applicable" or
"Classification not possible".

GHS label
Symbols



Signal words

Danger

Hazard statements

H227 Combustible liquid

H315 Causes skin irritation

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H350 May cause cancer

H360 May damage fertility or the unborn child

H370 Causes damage to organs

H372 Causes damage to organs through prolonged or repeated exposure

Precautionary statements

【Prevention】

Obtain special instructions before use.(P201)

Do not handle until all safety precautions have been read and understood.(P202)

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.(P210)

Do not breathe gas.(P260)

Do not breathe mist/vapours/spray.(P260)

Do not breathe dust/fumes.(P260)

Wash hands thoroughly after handling. (P264)

Do not eat, drink or smoke when using this product. (P270)

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

Wear protective gloves/eye protection/face protection. (P280)

【Response】

IF ON SKIN: Wash with plenty of soap and water. (P302+P352)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)

IF exposed or concerned: Get medical advice/attention.(P308+P313)

Call a POISON CENTRE or doctor/physician if you feel unwell. (P312)

Get medical advice/attention if you feel unwell.(P314)

Specific measures is required. (P321)

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

Take off contaminated clothing and wash it before
reuse. (P362+P364)

In case of fire: Use appropriate media other than
water for extinction.(P370+P378)

【Storage】

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

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

Store locked up.(P405)

【Disposal】

Dispose of contents/container in accordance with the
Waste Disposal and Public Cleansing Law and
related laws and regulations. (P501)

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

Classification of the substance or mixture: Mixture

Chemical name or generic name	Concentration or concentration ranges	Chemical formula	Reference number in gazetted list in Japan		CAS No.
			METI No.	ISHL No.	
			(ENCS No.)		
See below for materials related to three lows of the SDS(Note 1)					

The Industrial Safety
and
Health Law

Dangerous goods and
hazardous substances should
be notified name. (Act: Article
57-2, Enforcement
Ordinance: Article 18-2-1/2
Attached Table 9)

Xylene (Designated number by
Laws: 136) (Less than 1%)

Silica (Designated number by Laws:
312)(30%~40%)

Mineral oil (Designated number by
Laws: 168) (Less than 1%)

Aluminium oxide (Designated number
by Laws: 189) (10%~20%)

Kerosene (Designated number by
Laws: 380) (20%~30%)

SECTION 4- FIRST AID MEASURES

Inhalation

In case of feeling unwell by inhalation of vapor/gas, move into fresh air and keep at rest, and seek medical assistance.

If breathing is difficult or not breathing, give artificial respiration immediately. Get medical advice/attention immediately.

Skin contact

Remove/Take off all contaminated clothing or shoes immediately.

Gently wash with plenty of soap and water.

If abnormal changes are observed in appearance, or irritant or pain persists, or if you feel unwell, seek medical assistance.

Eyes contact

Do not rub or close eyes tightly.

Flush carefully with plenty of clean water for at least 15 minutes immediately. Consult an ophthalmologist.

Hold eyelids open and away from eyeballs with fingers to ensure that all surfaces are flushed thoroughly.

Remove contact lenses, if present and easy to do.

Ingestion

Rinse mouth well with clean water.

Do not induce vomiting unless.

Never give anything by mouth to an unconscious person.

Get medical advice/attention immediately.

Protection for first-aides Wear safety equipments as indicated in section 8 (EXPOSURE CONTROL/PERSONAL PROTECTION) during handling.

SECTION 5- FIRE FIGHTING MEASURES

Suitable extinguishing media	In case of fire, use water spray, foam, powder, carbon dioxide and dry sand.
Special fire fighting procedures	Use designated extinguishing media. Extinguish the fire from the windward side of the fire. Remove surrounding combustible materials immediately. Cool surrounding equipment with water spray.
Special protective equipment and precautions for fire-fighters	Wear suitable Self-Contained Breathing Apparatus (SCBA), Chemical proof protective clothing.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions (protective equipment and emergency measures)	Provide ventilation adequately until finishing process. Wear suitable protective equipment as indicated in section 8 during handling. Exclude non-essential personnel.
Environmental precautions	Prevent from entering into drains, ditches, basement or closed place.
Methods and materials for containment and cleaning up	Absorbed by sand or cloth, then collect in a sealable container.
Prevention measures against secondary accident	Properly treat deposits, waste and etc., on the basis of the applicable laws and regulations. Remove the sources of ignition promptly.

SECTION 7- HANDLING AND STORAGE

Handling	Technical measures	Take equipment measures and wear suitable protective equipment as indicated in section 8 (EXPOSURE CONTROL/PERSONAL PROTECTION) .
	Precautions for safe handling	Prohibit the use of the high temperature, spark and fire of around.
		Close container tightly after each use.
Storage	Appropriate storage conditions	Do not handle until all safety precautions have been read and understood.
		Wash body, face, hands, eyes thoroughly after handling.
		Keep container tightly closed.
		Store in a dark, cool and well ventilated area.
		Don't freeze.

SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

Component	Management Concentration	Allowable concentration (Society for Occupational Health)	Allowable concentration (ACGIH)
Silicon dioxide		【Dust allowable concentration】 (Respirable crystalline silica)0.03mg/m3	TWA 0.025 mg/m3(R), STEL -
Aluminium oxide		Dust allowable concentrationDegree ; Dust(1st kind) Respirable dust: 0.5mg/m3, Total dust:2mg/m3	unset

Kerosene			TWA 200 mg/m ³ (P), STEL - (as total hydrocarbon vapor) (Skin)
Xylene	50ppm	50ppm(217mg/m ³)	TWA 100 ppm, STEL 150 ppm

Facility Protection

If dust is generated in the polishing work, etc.,
place local ventilation system.

Install shower, hand-wash, cleansing facilities
close to handling location, and clearly display
the position.

Personal protection
equipments

Respiratory
protection

Use dust masks.

Hand protection

Use impermeable protective groves (rubber
groves).

Eye protection

Wear safety goggles (safety glasses with side
wall, safety goggles).

Skin and body
protection

Wear work clothes, boots and apron.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical form

Viscous liquid

Color

Beige

p H

ca9.6

Flush point

64°C(Seta-closed style/analogy value)

Specific gravity (Density)

ca1.33

SECTION 10- STABILITY AND REACTIVITY

Stability

Stable at normal conditions of handling.

Possibility of hazardous
reaction

No information available.

Condition to avoid

No information available.

Hazardous
decomposition products

No information available.

SECTION 11- TOXICOLOGICAL INFORMATION

Skin corrosion/irritation	Based on the component of Category 2 Skin corrosion/irritation are $\geq 10\%$. It is corresponding to the Category 2.
Carcinogenicity	Based on the component of Category 1A Carcinogenicity are $\geq 0.1\%$. It is corresponding to the Category 1A.
Reproductive toxicity	Based on the component of Category 1B Reproductive toxicity are $\geq 0.3\%$. It is corresponding to the Category 1B.
Specific target organ toxicity (Single exposure)	Based on the component of Category 3 (Anesthetic system) specific target organ toxicity are $\geq 20\%$. It is corresponding to the Category 3 (Anesthetic system).
	Based on the component of Category 3 (Respiratory tract irritation) specific target organ toxicity are $\geq 20\%$. It is corresponding to the Category 3 (Respiratory tract irritation).
	Based on the component of Category 1 Specific target organ toxicity (Respiratory system) are $\geq 10\%$. It is corresponding to the Category 1 (Respiratory system).
Specific target organ toxicity (Repeated exposure)	Based on the component of Category 1 Specific target organ toxicity (Lung) are $\geq 10\%$. It is corresponding to the Category 1 (Lung).
	Based on the component of Category 1 Specific target organ toxicity (Respiratory system) are $\geq 10\%$. It is corresponding to the Category 1 (Respiratory system).
	Based on the component of Category 1 Specific target organ toxicity (Kidney) are $\geq 10\%$. It is corresponding to the Category 1 (Kidney).

SECTION 12- ECOLOGICAL INFORMATION

No data

SECTION 13- DISPOSAL CONSIDERATIONS

Residual waste

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Entrust disposal to officially recognized expert traders or disposal dealers with the permission of the prefectural governor, or entrust to local public entities if they are dealing disposal.

Contaminated containers and packaging

Recycle used containers by cleaning or dispose appropriately in accordance with official regulation.

Dispose of empty container after eliminating contents completely.

SECTION 14- TRANSPORT INFORMATION

International regulation	Marine transport	Not applicable
	Marine Pollutant	Not applicable
	Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code.	Not applicable
Domestic regulation	Air Transport	Not applicable
	Land transport	Follow Fire Service Act and Road law
	Marine transport	Not applicable
	Marine Pollutant	Not applicable
	Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code.	Not applicable
	Air Transport	Not applicable

Special safety measure

Follow the description in the SECTION 7-
HANDLING AND STORAGE

Make sure no leakage of the container, loading to avoid fall/damage and ensure a prevention of collapse of cargo at the transportation.

Emergency Response Guide No.

None

SECTION 15- REGULATORY INFORMATION

Chemical Substances
Control Law

Priority Assessment Chemical Substances (Laws
and regulations Article 2 Paragraph 5)

The Industrial Safety
and Health Law

The working environment assessment standard
(Article 65-2 (1)).

Dangerous goods and hazardous substances should
be displayed the name, etc. (Act: article 57-1,
Enforcement ordinance: article 18-1/2, attached
table 9)

Dangerous/Flammable substances (Enforcement
Order Appended Table 1-4).

Dangerous goods and hazardous substances should
be notified of the names and the like (Act: article 57-
2, Enforcement ordinance: article 18-2-1/2, attached
table 9)

Water Pollution Control
Act

Designated Substances (Article 2-4 Enforcement
Order 3-3).

Fire Service Act

Specify combustibles, Flammable liquids

Offensive Odor Control
Act

Specified odor substance (Enforcement Order Act
1).

Air Pollution Control Act

May be applicable as Hazardous Air Pollutants (The
ninth central environmental council report).

Volatile Organic Compound (Act 2-4) (Notification
from the Ministry of the Environment to the
prefectural).

Water Supply Act	Hazardous substance (Act: article 4-2), Water quality standard (Ministerial ordinance 101, 2003)
Labor Standards Act	Illness chemical substances (Article 75-2 of the Act, Enforcement Regulation Article 35 Appended Table 1-2 item 4-1).
PRTR and Promotion of Chemical Management Law (PRTR Law)	Not applicable
Poisonous and Deleterious Substances Control Act	Not applicable

SECTION 16- OTHER INFORMATION

References and sources Database of Japan chemical database Ltd.

SDS of raw materials.

Disclaimer: This safety data sheet (SDS) is based on the latest sources and data which are currently available. It may be updated based on new scientific findings.

The precautions herein are for normal handling.

As cautions described are for normal usage, and it is assumed any chemical product has unknown hazard, extreme caution is required for handling. It is the user's responsibility to determine safe conditions for use of this product. For special handling, please use it in the light of suitable safety measures for application and usage.

Please contact our sales department, Inquiry for this SDS of detailed Information on ingredients and regulatory Information.

Three lows of the SDS (Note.1);

Law concerning Reporting, etc. of Release to the Environment of Specific Chemical Substances and Promoting Improvements in their Management (PRTR act).

Industrial Safety and Health Act (Article 57-2).

Poisonous and Deleterious Substances Control Act.