

SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical name (Product name) Rubbing Compound 100 Fine Cut
Product number 100130
SDS Number rdjp20-1
Manufacturer/Supplier SOLAR CO.,Ltd.
Address 1-7,Nunobiki-cho-2-chome,Chuo-ku Kobe 651-0097, Japan
Division Technical development department.
Phone +81-790-49-2366
Fax +81-790-49-1588

SECTION 2- HAZARDS IDENTIFICATION

GHS classification
HEALTH HAZARDS Skin corrosion/irritation Category2
Serious eye damage/eye irritation Category2A
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)
:Category1(Respiratory system,Kidney,Lung)

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

GHS label
Symbols



Signal words Danger
Hazard statements H315 Hazard statements
H319 Causes serious eye 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)

Do not breathe gas.(P260)

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

Do not breathe dust/fumes.(P260)

Wash hands thoroughly after handling. (P264)

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

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)

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

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

【Storage】 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(Note1)					

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 1.0%)

Silica (Designated number by Laws:
312)(20%~30%)

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

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

SECTION 4- FIRST AID MEASURES

Inhalation	<p>In case of feeling unwell by inhalation of vapor/gas, move into fresh air and keep at rest, and seek medical assistance.</p> <p>If breathing is difficult or not breathing, Immediately give artificial respiration. Get immediate medical advice/attention.</p>
Skin contact	<p>Remove/Take off immediately all contaminated clothing or shoes.</p> <p>Gently wash with plenty of soap and water.</p> <p>If abnormal changes are observed in appearance, or irritant or pain persists, or if you feel unwell, seek medical assistance.</p>
Eyes contact	<p>Do not rub or close eyes tightly.</p> <p>Immediately flush carefully with plenty of clean water for at least 15 minutes. Consult an ophthalmologist.</p> <p>Hold eyelids open and away from eyeballs with fingers to ensure that all surfaces are flushed thoroughly.</p> <p>Remove contact lenses, if present and easy to do.</p>
Ingestion	<p>Rinse mouth well with clean water.</p> <p>Do not induce vomiting unless.</p> <p>Never give anything by mouth to an unconscious person.</p> <p>Get medical advice/attention immediately.</p>
Protection for first-aides	<p>Wear safety equipments as indicated in section 8 (EXPOSURE CONTROL/PERSONAL PROTECTION) during handling.</p>

SECTION 5- FIRE FIGHTING MEASURES

Suitable extinguishing media	<p>In case of fire, use water spray, foam, powder, carbon dioxide and dry sand.</p>
Special fire fighting procedures	<p>Use designated extinguishing media.</p> <p>Extinguish the fire from the windward side of the fire.</p>

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

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) .

Prohibit the use of the high temperature, spark and fire of around.

Precautions for safe handling

Close container tightly after each use.

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

Wash body, face, hands, eyes thoroughly after handling.

Storage

Appropriate storage conditions

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)
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
Silicon dioxide		【Dust allowable concentration】 (Respirable crystalline silica)0.03mg/m ³	TWA 0.025 mg/m ³ (R), STEL -
Aluminum oxide		Dust allowable concentrationDegree ; Dust(1st kind) Respirable dust: 0.5mg/m ³ , Total dust:2mg/m ³	unset

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 glasses (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	Paste
	Color	Light Cream
p H		ca10.3
Flush point		60°C (SETA closed-cup/analogy value)
Specific gravity (Density)		ca1.13

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 10 X(Category1,1A,1B and 1C Skin corrosion/irritation) is present in the mixture as all ingredient at a concentration \geq 10%. It was set as Category 2.
Serious eye damage/eye irritation	Based on the 10 X(Category 1 Serious eye damage/eye irritation and Category1,1A,1B and 1C Skin corrosion/irritation) is present in the mixture as all ingredient at a concentration \geq 10%. It was set as Category 2A.
Carcinogenicity	Based on the Category 1A Carcinogenicity is present in the mixture as all ingredient at a concentration estimate of mixtures of \geq 0.1%. It was set as Category 1A.
Reproductive toxicity	Based on the Category 1B Reproductive toxicant is present in the mixture as all ingredient at a concentration \geq 0.3%. It was set as Category 1B.

Specific target organ toxicity (Single exposure)

Based on the Category 3 (Anesthetic system) specific target organ toxicity is present in the mixture as ingredient at a concentration $\geq 20\%$. It was set as Category 3 (Anesthetic system).

Based on the Category 3 (Respiratory tract irritation) specific target organ toxicity is present in the mixture as ingredient at a concentration $\geq 20\%$. It was set as Category 3 (Respiratory tract irritation).

Based on the Category 1 (Respiratory system) specific target organ toxicant is present in the mixture as ingredient at a concentration $\geq 10\%$. It was set as Category 1 (Respiratory system).

Specific target organ toxicity (Repeated exposure)

Based on the Category 1 (Lung) specific target organ toxicant is present in the mixture as ingredient at a concentration $\geq 10\%$. It was set as Category 1 (Lung).

Based on the Category 1 (Respiratory system) specific target organ toxicant is present in the mixture as ingredient at a concentration $\geq 10\%$. It was set as Category 1 (Respiratory system).

Based on the Category 1 (Kidney) specific target organ toxicant is present in the mixture as ingredient at a concentration $\geq 10\%$. It was set as 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

Air Transport Not applicable

Domestic regulation Land transport Follow Fire Service Act and Road law

Marine transport Not applicable

Marine pollutant Not applicable

Noxious liquid substances under MARPOL 73/78 Appendix II and 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 solids
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 laws 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.