

## SAFETY DATA SHEET

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical name (Product name) POLIUP 5020  
Product number 101181  
SDS Number rdjp49-1  
Manufacturer/Supplier SOLAR CO.,Ltd.  
Address 1-7,Nunobiki-cho-2-chome,Chuo-ku Kobe 651-0097, Japan  
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### SECTION 2- HAZARDS IDENTIFICATION

GHS classification

HEALTH HAZARDS Carcinogenicity : Category 2

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

Specific target organ toxicity (repeated exposure)  
Category 1 (Lung)

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

GHS label  
Symbols



Signal words Danger

Hazard statements H335 May cause respiratory irritation

H351 Suspected of causing cancer

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)

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

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

Wear protective gloves.(P280)

**【Response】**

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)

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

**【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(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  
Attached Table 9)

Xylene (Designated number by  
Laws: 136) (Less than 1.0%)

Mineral oil (Designated number by  
Laws: 168) (10%~20%)

Aluminum oxide (Designated number  
by Laws: 189) (40%~50%)

Kerosene (Designated number by  
Laws: 380) (1%~10%)

#### 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, Immediately  
give artificial respiration. Get immediate medical  
advice/attention.

Skin contact

Remove/Take off immediately all contaminated  
clothing or shoes.

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.

Immediately flush carefully with plenty of clean water  
for at least 15 minutes. 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.

Use a fire extinguishing agent suitable for the surrounding fire.

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.

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	<p>Close container tightly after each use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Wash body, face, hands, eyes thoroughly after handling.</p>
Storage	Appropriate storage conditions	<p>Keep container tightly closed.</p> <p>Store in a dark, cool and well ventilated area.</p> <p>Don't freeze.</p>

SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

Component	Management Concentration	Allowable concentration (Society for Occupational Health)	Allowable concentration (ACGIH)
Aluminum oxide		Dust allowable concentration Degree ; Dust(1st kind) Respirable dust: 0.5mg/m <sup>3</sup> , Total dust:2mg/m <sup>3</sup>	unset
Kerosene			TWA 200 mg/m <sup>3</sup> (P), STEL - (as total hydrocarbon vapor) (Skin)
Xylene	50ppm	50ppm(217mg/m <sup>3</sup> )	TWA 100 ppm, STEL 150 ppm

Facility Protection	If dust is generated in the polishing work, etc., place local ventilation system.
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		Install shower, hand-wash, cleansing facilities close to handling location, and clearly display the position.
Personal protection equipments	Respiratory protection	Use dust masks if necessary.
	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	Liquid
	Color	Cream
pH		ca10.00
Flush point		None(Cleveland Open Cup)
Specific gravity (Density)		ca1.35

#### 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

Carcinogenicity	Based on the Category 2 Carcinogenicity is present in the mixture as all ingredient at a concentration estimate of mixtures of $\geq 1.0\%$ . It was set as Category 2.
Specific target organ toxicity (Single exposure)	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).

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).

## 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 (Act; Article 2-5)
The Industrial Safety and Health Law	The working environment assessment standard (Article 65-2 (1)).  Dangerous or Harmful Substances Subject to Be Notified their Names, etc. (Article 57-2 Enforcement Ordinance 18-2 Appended Table 9).
Clean Water Act	Specific substance (Article 2-4, Enforcement Order Article 3-3)
Fire Service Act	Non-dangerous goods
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.