

Issue Date 2015/08/27  
Revision

## SAFETY DATA SHEET

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical name (Product : HI-GLOSS #330-18 name)  
 Product number : 100670  
 SDS Number : rdjp79-1  
 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 : Serious eye damage/eye Category 2B  
 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 :  
 H320 Causes eye irritation  
 H335 May cause respiratory irritation  
 H372 Causes damage to organs through prolonged or repeated exposure

Precautionary statements :  
**【Prevention】**  
 P260 Do not breathe dust/fumes/gas/mist/vapours/spray.  
 P264 Avoid contact during pregnancy/while nursing.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
**【Response】**  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- P312 Call a POISON CENTER/ doctor, if you feel unwell.
- P314 Get Medical advice/attention if you feel unwell.
- P337+P313 If eye irritation persists get medical advice/attention.  
【Storage】
- P403+P233 Store in a well ventilated place. Keep container tightly closed.
- P405 Store locked up.  
【Disposal】
- P501 Dispose of contents/container in accordance with the Waste Disposal and Public Cleansing Law and related laws and regulations.

**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. (ENCS No.)	ISHL 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 2 of Article 57, Act 2 of the Enforcement Ordinance Article 18(Attached Table 9)

Regulations specified	Component	content(%)
170	Solid paraffin	10%-20%
168	Mineral oil	10%-20%
189	Aluminum oxide	70%-80%

**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. Do not use solvents, thinner.

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 immediate medical advice/attention.

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 : 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 : Provide ventilation adequately until finishing process.

(protective equipment and emergency measures) : 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 : Deposits and waste will be processed on the basis of related laws and regulations.

Prepare extinguishers before catching fire.

#### 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) .

Use explosion-proof equipment and to implement an electrostatic measures to facilities.

Prohibit the use of the high temperatur, spart and fire of around.

Precautions for safe handling : Do not handle until all safety precautions have been read and understood.

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

Storage

Appropriate storage conditions : Store in a cool, dry, well ventilated area.  
(storage conditions)

SECTION 8- EXPOSURE CONTROL/PERSONAL PROTECTION

Component	Management Concentration	Allowable concentration (Society for Occupational Health)	Allowable concentration (ACGIH)
Solid paraffin			TWA200ppm, STEL-
Aluminum oxide		Dust allowable concentration; Dust(first kind) Respirable dust: 0.5mg/m3, Total dust:2mg/m3	unset

Facility Protection : If the dust in the polishing work is generated, to install a local exhaust system.  
Install shower, hand-wash, cleansing facilities close to handling location, and clearly display the position.

Personal protection :  
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 : Solid  
Color : Yelow  
Flush point : >110°C (ref. Seta Closed Cup)

SECTION 10- STABILITY AND REACTIVITY

Chemical stability : Stable at normal conditions of handling.  
Possibility of hazardous : No information available.  
Condition to avoid : No information available.  
Hazardous decomposition : No information available.

## SECTION 11- TOXICOLOGICAL INFORMATION

Serious eye damage/eye irritation	Based on the Category 2B Serious eye damage/eye irritation is present in the mixture as all ingredient at a concentration estimate of mixtures of $\geq 10\%$ . It was set as Category 2B.
Specific target organ toxicity-single exposure	Based on the Category 3 Specific target organ toxicity (Respiratory tract irritation) is present in the mixture as all 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 Specific target organ toxicity (Lung) is present in the mixture as all ingredient at a concentration $\geq 10\%$ . It was set as Category 1.

## 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	: Follow IMO provisions
UN number	: Not applicable
Proper shipping name	: Not applicable
UN Class	: Not applicable
Packing Group	: Not applicable
Marine pollutant	: Not applicable
Noxious liquid substances under MARPOL 73/78	: Not applicable
Appendix II and IBC code	
Air Transport	: Follow ICAO/IATA provisions
UN number	: Not applicable
Proper shipping name	: Not applicable
UN Class	: Not applicable
Packing Group	: Not applicable

## Domestic regulation

Land transport	: Follow Fire Service Act and Road law
----------------	--

Marine transport	: Follow Ship Safety Act
UN number	: Not applicable
Proper shipping name	: Not applicable
UN Class	: Not applicable
Packing Group	: Not applicable
Marine pollutant	: Not applicable
Noxious liquid substances under MARPOL 73/78 Appendix II and IBC code	: Not applicable
Air transport	: Follow Aviation Law
UN number	: Not applicable
Proper shipping name	: Not applicable
UN Class	: Not applicable
Packing Group	: Not applicable
Special safety measure	: Follow Section 7 Confirm no leakage and no overspill from a container. Take in a cargo of them without turnover, falling down and damage, ensure to prevent breaking during transportation.
Emergency Response Guide	: None

#### SECTION 15- REGULATORY INFORMATION

##### Domestic regulation

The Industrial Safety and Health Law	: Dangerous goods and hazardous substances should be notified of the name (Article 57-2, The Enforcement Ordinance Article 18-2, attached table 9)
Clean Water Act	Specific substance (Article 2-4, Enforcement Order Article 3-3)
Fire Service Act	Specify combustibles, Flammable solid
Water Supply Act	Hazardous substance(Article 4-2) Water quality standard (Ministerial ordinance 101, 2005)
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.