

## Material Safety Data Sheet

### 1. Product and Company Identification

Product name :PUTTY LIGHT 03

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

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Product code(MSDS NO) :EN500280-2

### 2. Hazards Identification

GHS classification

Not classified.

Not applicable to Japan class name

### 3. Composition/Information on Ingredients

Substance/Preparation :Preparation

Ingredient name	content(%)	CAS No.	PRTR law No, Japan
Acrylate	40 - 45		
1,6-Hexanediol Diacrylate	3.5	13048-33-4	1-306
Talc	45 - 50	14807-96-6	
Photoinitiator	0.1 - 1		
Additive	1 - 5		

### 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.

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#### 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.

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#### 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 light. Store in a well-ventilated place.

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#### 8. Exposure Control/Personal Protection

Control parameters e.g. occupational exposure limit values or biological limit values  
Adopted value  
(Talc)ACGIH (2008) TWA: 1mg/m<sup>3</sup>(R) (Skin)(Pulm fibrosis; pulm func)  
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  
In case of inadequate ventilation wear respiratory protection.  
Hand protection  
Wear protective gloves.  
Eye protection  
Wear eye/face protection.  
Skin and body protection  
Wear protective gloves/clothing

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#### 9. Physical and Chemical Properties

Physical properties  
Appearance :paste  
Color :pale yellow

Flash point :No data  
Specific gravity :ca 1.54

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#### 10. Stability and Reactivity

##### Chemical stability

Stable under normal storage/handling conditions.

##### Possibility of hazardous reactions

Polymerization may occur under elevated temperatures or intense light with heat generation.

##### Conditions to avoid

Sunlight, Heat, High temperature, Static electricity

##### Hazardous decomposition products

Carbon oxides

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#### 11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

##### Acute toxicity

Oral toxicity component(s) data

(Talc)rat LD50 5000 mg/kg

##### Carcinogenic effects

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

(Talc)ACGIH-A4(2008) : Not Classifiable as a Human Carcinogen

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#### 12. Ecological Information

##### Ecotoxicity

##### Water solubility

(Talc)none (ICSC, 2001)

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#### 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.

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#### 14. Transport Information

##### UN No, UN CLASS

Not applicable to UN NO.

##### Special precautions in connection with transport or conveyance

Follow instruction in Handling & Storage.

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#### 15. Regulatory Information

##### PRTR law, Japan

Listed chemicals Gr.1 :1,6-Hexanediol Diacrylate

##### Fire protection law, Japan

Listed flammables : flammable solids ; (limited qty) 3000kg

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#### 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