

## Material Safety Data Sheet

### 1. Product and Company Identification

Product name :Sealer #580 (Tube)

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

FAX :+81-790-49-1588

Product code(MSDS NO) :EN770260-2

### 2. Hazards identification

GHS classification and label elements of the product

GHS classification

HEALTH HAZARDS

Specific target organ toxicity-repeated exposure : Category 1



Signal word : Danger

HAZARD STATEMENT

Causes damage to organs following repeated exposure.

PRECAUTIONARY STATEMENT

Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash contaminated parts thoroughly after handling.

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

Response

Get medical advice/attention if you feel unwell.

Disposal

Dispose of contents/container in accordance with local/national regulation.

Not applicable to Japan class name

### 3. Composition/Information on Ingredients

Substance/Preparation :Preparation

Ingredient name	content(%)	CAS No.	PRTR law No, Japan
Modified silicone resin	30 - 40	Non Public	-
Plasticizer	10 - 20	Non Public	-
Filler	40 - 50	Non Public	-
Mineral spirit	1 - 5	Non Public	-
Titanium dioxide	1 - 5	13463-67-7	-
Tin compound	<1.0	Non Public	-

### 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.

IF ON SKIN(or hair)

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.

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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 neutralization, 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

Use personal protective equipment as required.

Take precautionary measures against static discharge.

Safety Measures/Incompatibility

Handle in good ventilation.

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

Conditions for safe storage, including any incompatibilities

Recommendation for storage

Keep container tightly closed.

Protect from sunlight. Store in a well-ventilated place.

Keep container dry.

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8. Exposure Controls/Personal Protection

Control parameters e.g. occupational exposure limit values or biological limit values

Adopted value

(Titanium dioxide)

ACGIH(1992) TWA: 10mg/m<sup>3</sup> (LRT irr)

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Exhaust/ventilator should be available.

Protective equipment

Respiratory protection

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 :white

Flash point :>200

Specific gravity :1.0-1.7

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## 10. Stability and Reactivity

Stability

Stable under normal storage/handling conditions.

Hazardous decomposition products

Burned imperfectly, CO will be formed.

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## 11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Acute toxicity

Oral toxicity component(s) data

(Titanium dioxide)

rat LD50 7500 mg/kg

Irritant properties

Skin corrosion/Irritation component(s) data

(Titanium dioxide)

human 0.3mg/3D-I ; MILD

Carcinogenic effects

(Titanium dioxide)

IARC-Gr.2B ; Possibly carcinogenic to humans.

(Titanium dioxide)

ACGIH-A4(1992) : Not Classifiable as a Human Carcinogen

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## 12. Ecological Information

Ecotoxicity

Aquatic toxicity

(Titanium dioxide)

Crustacea (Daphnia magna) EC50 > 1000mg/L/48hr (AQUIRE, 2003)

Water solubility

(Titanium dioxide)

none (HSDB, 2004)

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## 13. Disposal Considerations

Disposal methods

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.

Sea pollutants control law

Noxious Liquid ; Cat. Z :Titanium dioxide

Special precautions in connection with transport or conveyance

Follow instruction in Handling & Storage.

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#### 15. Regulatory Information

Industrial Safety and Health law, Japan

Chemical name et al should be informed :Titanium dioxide; Tin compound; Mineral spirit

Fire protection law, Japan

Listed flammables : synthetic resin

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#### 16. Other information

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