

Material Safety Data Sheet

1. Product and Company Identification

Product name :HI-GLOSS #330-L

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) :EN100480-2

2. Hazards Identification

GHS classification and label elements of the product

GHS classification

PHYSICAL HAZARDS

Flammable liquids : Category 3

HEALTH HAZARDS

Acute toxicity Dust/Mists inhalation : Category 5

Skin corrosion/irritation : Category 3

Eye damage /eye irritation : Category 2

Germ cell mutagenicity : Category 2

Specific target organ toxicity-single exposure : Category 2

Specific target organ toxicity - single exposure; Respiratory tract irritation
Category 3

Specific target organ toxicity-repeated exposure : Category 1



Signal word :Danger

HAZARD STATEMENT

Flammable liquid and Vapor

May be harmful if inhaled dust/mist

Causes mild skin irritation.

Causes eye irritation

Suspected of causing genetic defects

May causes damage to lung

May cause respiratory irritation

Causes damage to lung and skin through prolonged or repeated exposure.

PRECAUTIONARY STATEMENT

Prevention

Obtain special instructions before use.

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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools.

Take precautionary measures against static discharge.

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.

Use only outdoors or in a well-ventilated area.
 Wear protective gloves/eye protection/face protection.
 Use personal protective equipment as required.

Response

Get medical advice/attention if you feel unwell.
 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 In case of fire: Use appropriate media other than water for extinction.

Storage

Store locked up.
 Store in well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.

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
Aluminium oxide	60 - 65	1344-28-1	
Mineral oil	10 - 15		
Solvent	10 - 15		
n-Nonane	<1.3	111-84-2	
Water	1 - 5	7732-18-5	
Activator	1 - 5		
Paraffin	1 - 5	8002-74-2	
Natural wax	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.

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.

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 sunlight. Store in a well-ventilated place.

Do not freeze.

8. Exposure Control/Personal Protection

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

Adopted value

(n-Nonane)JSOH(1989) 200ppm; 1050mg/m³

(Aluminium oxide)ACGIH (2007) TWA: 1 mg/m³(R) (Pneumoconiosis; LRT irr; neurotoxicity)

(n-Nonane)ACGIH (1992) TWA: 200ppm (CNS impair)

(Paraffin)ACGIH (1972) TWA: 2mg/m³ (URT irr; nausea)

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

Wear respiratory protection.
Hand protection
Wear protective gloves.
Eye protection
Wear eye/face protection.
Skin and body protection
Wear protective gloves/clothing

9. Physical and Chemical Properties

Physical properties

Appearance :liquid
Color :yellow
Flash point :52 (Ref.value/Solvent)
Specific gravity :ca 1.68

10. Stability and Reactivity

Chemical stability

Stable under normal storage/handling conditions.

11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Acute toxicity

Inhalation toxicity component(s) data
(n-Nonane)rat LC50 3200ppm/4H

Carcinogenic effects

(Aluminium oxide)ACGIH-A4(2007) : (Not Classifiable as a Human Carcinogen)

12. Ecological Information

Ecotoxicity

Water solubility

(Aluminium oxide)none (ICSC, 2000)
(n-Nonane)0.7 g/100 ml (20 C) (ICSC, 1995)
(Paraffin)none (ICSC, 2003)

Bioaccumulative potential

(n-Nonane)log Pow=5.65 (ICSC, 1995)
(Mineral oil)log Pow=3.9 through 6 (cal.) (ICSC, 2001)

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.

14. Transport Information

UN No, UN CLASS

UN No :No data

Noxious Liquid ; Cat. X :n-Nonane

Noxious Liquid ; Cat. Y :Paraffin

Non Noxious :Water

Special precautions in connection with transport or conveyance

Follow instruction in Handling & Storage.

15. Regulatory Information

Industrial Safety and Health law, Japan

Flammable

Chemical name et al should be informed :Mineral oil;Paraffin;Aluminium oxide;n-Nonane

Fire protection law, Japan

Listed flammables : flammable liquids ; (limited qty) 2m3

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