

SAFETY DATA SHEET

Issuing Date 6/1/2015 Revision Date 6/1/2015 Revision Number 1

1. IDENTIFICATION

Product Identifier
Product Name LSP10A
Other means of identification
Synonyms NONE
Recommended use of the chemical and restrictions on use
Recommended use Writing Instrument
Uses advised against No information available
Details of the supplier of the safety data sheet
Supplier Name Yasutomo Inc.
Supplier Address 1805 Rollins Road
 Burlingame, CA
 94010
Supplier Phone Number 650 737 8888
Supplier Email yasutomo490@gmail.com
Emergency telephone number 650 737 8888

2. HAZARDS IDENTIFICATION




Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Oral	Category 4
Skin irritation	Category 2
Skin sensitivity	Category 1
Serious eye damage/eye irritation	Category 1
Acute Aquatic	Category 1

GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Danger
Hazard Statements Harmful if swallowed Causes skin irritation May cause an allergic skin reaction Causes serious eye damage Very toxic to aquatic life	
	
	
Appearance Black	Physical State Solid containing liquid / Solid
Odor	Characteristic

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard not otherwise classified (HNOC)

NA

Other information

Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Diethylene Glycol	107-21-1	5-10%	*
Glycerine	56-81-5	5-10%	*
Polyethylene Glycol #400	25322-68-3	5-10%	*
1,2,3-Benzotriazole	95-14-1	0.1-1%	*
1,2-Benzotriazolin-3-one	2634-33-5	0.1-0.5%	*
Urea	57-13-6	1-10%	*
Sodium hydroxide	1310-73-2	0.1-1%	*
Dyestuff Direct Black 19	6428-31-5	1-10%	*
Water	7723-18-5	50-70%	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice

In case of rupture: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.

Skin Contact Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most Important symptoms and effects, both acute and delayed

Most Important symptoms and effects There may be irritation and redness

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas.

Other information Refer to protective measures listed in Sections 7 and 8

Environmental Precautions

Environmental Precautions Do not discharge into drains or rivers. Contain the spillage using bunding.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. In case of rupture: Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children.

Incompatible products Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerine 56-81-5	10 mg/m ³ (mist)	15 mg/m ³ TWA (total); 5 mg/m ³ TWA (respirable fraction)	
Sodium hydroxide 1310-73-2	2 mg/m ³ Ceiling	2 mg/m ³ TWA	10 mg/m ³ Ceiling (15 minutes)

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines NA

Appropriate engineering controls

Engineering Measures Showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection None required for consumer use. If splashes are likely to occur: Wear safety glasses with side shields (or goggles).

Skin and Body Protection

None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid containing liquid, Solid

Appearance Black

Color No information available

Odor Characteristic

Odor Threshold No information available

Property**Values****Remarks Method**

pH

No data available

None known

Melting/Freezing point

No data available

None known

Boiling point / boiling range

No data available

None known

Flash Point

No data available

None known

Evaporation Rate

No data available

None known

Flammability (solid, gas)

No data available

None known

Flammability Limit in Air

Upper flammability limit

No data available

Lower flammability limit

No data available

Vapor pressure

No data available

None known

Vapor density

No data available

None known

Specific Gravity

No data available

None known

Water Solubility

Soluble in water

None known

Solubility in other solvents

No data available

None known

Partition coefficient:

No data available

None known

Autoignition temperature

No data available

None known

Decomposition temperature

No data available

None known

Kinematic viscosity

No data available

None known

Dynamic viscosity

No data available

None known

Explosive properties

No data available

Oxidizing Properties

No data available

Other Information

Softening Point

No data available

VOC Content (%)

No data available

Particle Size

No data available

Particle Size Distribution

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Product does not present an acute toxicity hazard based on known or supplied information. In case of rupture:

Inhalation

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye Contact

Specific test data for the substance or mixture is not available. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes.

Skin Contact

Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May be harmful if swallowed. (based on components).

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol 107-21-1	> 3999 mg/kg (Rat)	-	-
Glycerine 56-81-5	> 4090 mg/kg (mouse) >27 gm/kg (rabbit)	> 10 gm/kg (rabbit)	> 570 mg/m3 (1 hour) (Rat)
Polyethylene Glycol 25322-68-3	> 28915 mg/kg (mouse) >14 gm/kg (rabbit) > 600 mg/kg (rat)	-	-
1,2-benzothiazol-3-one 2634-33-5	> 1020 mg/kg (Rat)	-	-
Dyestuff Direct Black 19 6428-31-5	> 4900 mg/kg (Rat)	-	-
Water 7732-18-5	> 90 ml/kg (Rat)	-	-
Urea 57-13-6	> 8471 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available

STOT - single exposure No information available

STOT - repeated exposure No information available

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects No information available

Aspiration Hazard No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Ethylene glycol 107-21-1	96h EC50: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 41000 mg/L (Oncorhynchus mykiss) 96h LC50: 14-18 mL/L (Oncorhynchus mykiss) 96h LC50: 40761 mg/L (Oncorhynchus mykiss) 96h LC50: = 27540 mg/L (Lepomis macrochirus) 96h LC50: = 16000 mg/L (Poecilia reticulata) 96h LC50: 40000 - 60000 mg/L (Pimephales promelas)	EC50 > 10000 mg/L 16 h EC50: = 620 mg/L 30 min EC50: = 620.0 mg/L 30 min	48h EC50: = 46300 mg/L
1,2-Benzothiazol-3-one 2634-33-5		LC50: = 0.8 mg/L (Oncorhynchus mykiss) 96h		48h EC50: = 4.4 mg/L
Polyethylene Glycol 25322-68-3		LC50: > 5000 mg/L 24 hr (Goldfish)	EC50: > 100000 mg/L 15m (Phytobacterium phosphoreum) Microtox test	

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT	Not Regulated
TDG	Not Regulated
MEX	Not Regulated
ICAO	Not Regulated
IATA	Not Regulated
IMDG/IMO	Not Regulated
RID	Not Regulated
ADR	Not Regulated
AND	Not Regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CAS No	Weight-%
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Sodium hydroxide	1310-73-2	0.1-1%
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CERCLA

This material, as supplied, contains one or more substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQ	RQ
Sodium hydroxide 1310-73-2	1000 lb		RQ 454 kg final RQ

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethylene glycol 107-21-1	X	X	X	X	X
Sodium hydroxide 1310-73-2	X	X	X		

International Regulations**Mexico****National Occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Ethylene glycol 107-21-1		Mexico: Ceiling 100 mg/m3

Mexico - Occupational Exposure Limits - Carcinogens

Canada**WHMIS Hazard Class**

Non-controlled

16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards - Personal Protection
HMIS	Health Hazards	1*	Flammability	0	Physical Hazard	0	X

Chronic Hazard Star Legend * = Chronic Health Hazard

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet