

21870-0059

SAFETY DATA SHEET

Issuing Date 9/1/2019

Revision Date 9/1/2019

Revision Number

1. IDENTIFICATION**Product Identifier****Product Name**

LSP10x, LSP105

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

Supplier Address3740 Skypark Dr
Torrance CA 90505
310-791-1995**Supplier Phone Number**

310-791-1995

Supplier Emailcsr@yasutomo.com**Emergency telephone number**

911

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**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

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-%	Trad
Ethylene 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 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. Induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Use personal protective equipment. 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. Provide 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 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 REL
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 Ce

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 (or goggles).
Skin and Body Protection	None required for consumer use. Repeated or prolonged contact: Wear protective clothing.
Respiratory Protection	
Hygiene Measures	No protective equipment is needed under normal use conditions. If exposure is exceeded or irritation is experienced, ventilation and evacuation may be required. 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	Odor	Characteristic
Color	No information available	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
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 sup information. In case of rupture:

Inhalation Specific test data for the substance or mixture is not available. May cause respiratory tract.**Eye Contact** Specific test data for the substance or mixture is not available. Severely irritates. Causes serious eye damage. May cause burns. May cause irreversible damage.**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, vomiting, and diarrhea. May be harmful if swallowed. (based on component information)**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
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/m ³
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
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:
1,2-Benzothiazol-3-one 2634-33-5		LC50: = 0.8 mg/L (Oncorhynchus mykiss) 96h		48h EC5
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 hazardous if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if it is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult 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 CF CFR 122.42)

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

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
Sodium hydroxide 1310-73-2	1000 lb	

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Ill
Ethylene glycol 107-21-1	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/m ³

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 Ha:

HMIS	Health Hazards	1*	Flammability	0	Physical Hazard	0	Personal Protection	X
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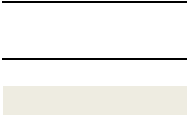
Chronic Hazard Star Legend * = Chronic Health Hazard

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 gives 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 is specific 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


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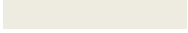
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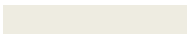


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