SAFETY DATA SHEET

Date: March 1, 2022

1. IDENTIFICATION

Product Name:	LLST - 100
Reference Number:	GA - 0120220301
SDS Number:	LLST_100_1
Recommendation and re	estriction of use:
Recommendation of us	e: Deodorant
Supplier Information:	GRAFTON INC.
	3F, 4-11-14, Yoga, Setagaya-Ku, Tokyo, Japan
	Tel: 81-3-6413-4766 Fax: 81-3-6413-4737
	Taisuke Shindo

2. HAZARDS IDENTIFICATION

GHS Classification, GHS Labelling Factor:

GHS Classification:

Not classified and not applicable to all categories.

GHS Label Factor:

No Pictograph and no warning statement required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: The mixture.

Composition and ingredients:

Components	CAS No.	Content (%)	Official Gazette Ref. Number
Pyrrolidine Compounds	N/D	< 60.0	N/D
Additive	N/D	< 1.0	N/D
Pure Water	7732-18-5	< 60.0	—

Remarks: Above are not product specification values.

Hazardous Components: Not applicable to following regulations and laws;

*Poisonous and Deleterious Substances Control Law.

*Industrial Safety and Health Act.

*Act on Confirmation, etc. of Release Amounts of Specific Chemical substances in the Environment and Promotion of improvement to the management thereof.

4. EMERGENCY MEASURES

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if necessary.
Eye:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if it is easy to do so and continue rinsing. If eye irritation persists, get medical advice/attention.
Skin:	Gently wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.
Ingestion	Rinse mouth well with clean water and get medical advice/ attention immediately.

5. ACCIDENTAL RELEASE MEASURES (FIRE)

The specific fire extinguishing steps:

	The product is not inflammable, however, the		
	dry matter, after the evaporation of the water,		
	becomes flammable. Avoid any combustion		
	promotion and extinguish with the proper		
	extinguishing agent.		
The extinguishing agent:	A water, the Foam Fire-Extinguisher and the		
	Powder Fire-Extinguisher are effective.		
The notice to the extinguishing person:			
	Lead unconcerned people to safe place.		
	Must use protective wear and musk for safety.		

6. ACCIDENTAL RELEASE MEASURES (LEAKAGE)

Personal Precaution: Use personal protective equipment and avoid any direct contact with skin.

Environment Precaution:	Prevent any outflow or spill out to the public water area, river and lake region. Report immediately to related and responsible organizations and/or offices in case of any spill outs.
Removal Process:	Clean off by the proper fabrics in case of leakage in small quantity. In case of large quantity, collect such leakages in airtight container, and then, collect the remains by Inactive Adsorption Materials such as Mud, Sand, Diatom-Earth and etc.

7. HANDLING AND STORING

Handling

Technical measures:

(Prevention of Revelation)

Prevent the inhalation of mist, vapor and spray.

(Precaution)

Proper protection of eyes.

Safe handling instructions:

Use in outdoor or in well ventilated spaces only.

Use designated protective equipment.

Safe handling instructions: Data not available

Contact prevention: Data not available

Sanitation measure:

Prevent any direct touch to eyes and cloths. Prevent eating and smoking while using.

Wash hands well after handling.

Storage

Safety storage condition:

Seal the container tightly and store at well ventilated space.

Store at cool space and avoid direct sun light.

Safe container and packing materials: Data not available.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:			mended to handle partly or entilated area.
Controlled and Permissible	Conce	ntrations:	No specific guidelines.
Personal protective equipr	nent:		
Respiratory protection:	Dust re	espirator in	accordance with local and
	nation	al regulation	ns.
Eye protection:	Goggle	es if there is	a dust formation.
Hand protection:	Protec	tive gloves.	
Body protection:	Light p	rotective clo	othing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Condition:	Liquid	
Color:	Pale Yellow Transparent	
Odor:	Odorless	
pH:	< 2.0 - 3.0	
Melting/Freezing points:	Date not available	
Boiling/Initial boiling points:	Data not available	
Boiling point range:	Data not available	
Flammability		
(Gas, Liquid and solid matter):	Do not combust	
Lower/Higher explosion limit/		
explosion limit:	Not applicable	
Flash point:	Not applicable	
Autoignition point:	Not applicable	
Vapor Pressure:	Data not available	
Relative gas density (Air=1):	Data not available	
Density and/or relative density:	Data not available	
Dissolubility:		
Solubility (Water):	Soluble	
(Solvent):	Data not available	
n-Octanol/water partition:	Data not available	
Particle Properties:	Not applicable	

10. STABILITY AND REACTIVITY

Reactivity Chemical stability Hazardous reactivity Condition to be avoided Reactive chemical substance Hazardous decomposition Products

Data not available Stable in the normal conditions Data not available Data not available Data not available

Data not available

11. TOXIICOLOGICAL INFORMATION

Acute toxicity:	
Acute skin irritation	Data not available
Acute eye irritation	Data not available
Respiratory/skin sensitizations:	Data not available
Reproductive cell accidental abioge	enesis: Data not available
Carcinogenicity (IARC, NTP):	Data not available
Reproduction toxicity:	Data not available

12. ENVIRONMENT AFFECT INFORMATION

Ecotoxicity Aquatic environment toxicity Short period (Acute) [Japan publication ground data] (Sodium Metasilicate) Fish (Zebra Fish) LC50=210mg/L/96hr (IUCLID. 2000) Aqueous Solubility (Sodium Metasilicate) 20g/100ml (IUCLID, 2000) Persistency/Degradability Data not available **Bio-Accumulative** Data not available Migration in soil Data not available Other hazardous affects **Ozone** layer Data not available

13. NOTICE FOR DISPOSAL

Processing method of waste Dispose contents/containers in accordance with Government regulations. Dispose at authorized waste disposal site. Do not dispose in water, ground and sewer. Contaminated container and packages Use up content completely and dispose containers.

14. TRANSPORTATION INFORMATION

Aviation Law

UN number, Classification	
UN number or ID:	Not applicable
Official transportation:	Not applicable
Classification or category:	Not applicable
Container classification:	Not applicable
IMDG Code (International marine dange	erous material rule)
	Not applicable
IATA aviation dangerous materials prosp	pectus
	Not applicable
MARPOL Treaty Annex III - Preventio	n of pollution caused by individual
hazardous item/substance.	
Marine pollution materials (applic	able/not applicable):
	Special safety measures
Special safety measures	Data not available
Bulk transportation (MARPOL Treaty	annex II Revision of hazardous
liquid materials and IBC Code	Not applicable
Regularity information if domestic regulat	ion is enforced.
Ship Safety Law	Not applicable

Not applicable

15. Applicable Law.

Regulations and Laws concerning referenced product (Safety, Health and
Environment)Toxic and deleterious substances control law:Not applicableIndustrial safety and health act:Not applicableLaw for promotion of chemical management:Not applicableFire protection law:Not applicableChemical substance control law:Not applicable

16. Other Information.

Reference Literatures

Globally Harmonized System of classification and labelling of chemicals, (7th edition, 2017), UN Recommendations on the TRANSPOT OF DANGEROUS GOODA 20th edit., 2017 UN IMDG Code, 2018 Edition (Incorporating Amendment 39-18) IATA aviation dangerous materials prospectus 61 edit 2020 Classification, labelling and packaging of substances and mixtures (Table 3 ECNO6182012) 2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT) 2020 TLVs and BEIs. (ACGIH) http://monographs.iarc.fr/ENG/Classification/index.php JIS Z 7252: 2019 JIS Z 7253: 2019 Supplier's data/information GESTIS-Stoffdatenbank Pub Chem (OPEN CHEMISTRY DATABASE)

Above information is made based on our present state of knowledge on presently available references and information data, and it is subject to be revised upon available of new information.

Remarks listed aforesaid are based on the case of normal handling, therefore, it is recommended to take an adequate safety measures in case of having the special handlings.

The indicated GHS classification/category were calculated based on presently available Japanese publication data (NITE 2019 edit.)