



MATERIAL SAFETY DATA SHEET

LED Stipple Gel

Reversion 1.1
Revised Date: 11-06-2016

1. PRODUCT IDENTIFICATION

Product name	LED Stipple Gel, Nail Design Use
Chemical name	Acrylate Mixer
Trade Names	NA
Grades	ST001,ST002,ST003,ST004,ST005,ST006,ST007,ST008,ST009,ST010,ST011,ST012,ST013,ST014,ST015,ST016,ST017,ST018,ST019,ST020,ST021,ST022,ST023,ST024
Product use	Professional use only
Manufacturer's name	Shanghai Flourish Choice eco-Technologies Ltd.
Manufacturer's Address	No.109, Luji Road, Luyuan industrial Zone, Liuzao Town, Pudong Shanghai, PRC
Emergency phone	0086-21-33890909
Business phone	0086-21-33890909

2. COMPONENTS & INGREDIENTS INFORMATION

Chemical names	CAS No.	EINECS No.	%	ACGIH		OSHA	
				TLV	STEL	PEL	STEL
Acrylates copolymer	25035-69-2	NA	50-65%	NE		NE	
2-Hydroxyethyl Methacrylate	868-77-9	212-782-2	0-20%	NE		NE	
Cellulose Acetate Butyrate	9004-36-8	NA	0-8%	NE		NE	
Ethyl (2,4,6-trimethylbenzoyl) phenylphosphinate	84434-11-7	282-810-6	1-8%	NE		NE	
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	1-5%	NE		NE	
CI 77891 (Titanium Dioxide)	13463-67-7	215-280-1	0-30%	NE		NE	
CI 77007 (pigment Blue 29)	1302-83-6	215-111-1	0-25%	NE		NE	
Silane	68611-44-9	271-893-4	3-10%	NE		NE	
CI 15850:1 (Red No.7)	5281-04-9	226-109-5	0-15%	NE		NE	
CI 45410:2 (Red No.27)	84473-86-9	282-941-9	0-3%	NE		NE	
CI 77019 (Mica)	12001-26-2	215-479-3	0-30%	NE		NE	
CI 77000(Aluminum)	7429-90-5	231-072-3	0-40%	NE		NE	
CI 77492 (Yellow iron oxide)	51274-00-1	215-168-2	0-20%	NE		NE	
CI 77499 (Black iron oxide)	12227-89-3	235-442-5	0-12%	NE		NE	
CI 77491 (Iron oxide Red)	1309-37-1	215-168-2	0-15%	NE		NE	
CI 74260 (Pigment Green 7)	1328-53-6	215-524-7	0-12%	NE		NE	
CI 60725 (Solvent violet 13)	81-48-1	201-353-5	0-12%	NE		NE	

Hazard Symbols: Xi Risk Phrase: R22,R36/38,R43 **Safety Phrase:** S7, S9,S18,S24/25,S36/37,S38

Note this material contains an inhibitor (HQ, MEHQ, etc) at<1%.The type and amount meet product



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specifications.

NA = Not Available; ND = Not Determined; NE = Not Established;

3. HAZARDS IDENTIFICATION

Hazards Identification: NA
Primary routes of entry: <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> NotHazardous
Eye contact: May cause irritation. Irritation may include excessive tearing, blinking and redness.
Skin contact: May cause moderate skin injury (redness and swelling) or sensitization. Prolonged contact may cause blister formation (burns).
Inhalation: Not expected to be a hazard due to low volatility under standard conditions. May cause irritation to the respiratory tract and to other mucous membranes.
Ingestion: If product is swallowed, may cause nausea, headache, vomiting and diarrhea and central nervous system depression.
Signs and Symptoms of Overexposure: Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.
Health hazards: Acute: Vapor or mist may be irritating to eyes, mucous membranes and upper respiratory tract. Chronic: Prolonged exposure to vapors may cause nausea, headache and vomiting. Prolonged and repeated skin contact may cause sensitization.

4. FIRST AID MEASURES

Eye contact: Flush with copious amounts of water for at least 15 minutes. Get medical attention.
Skin contact: Flush with water thoroughly followed by a washing of effected area with soap and water. If irritation, redness or swelling persists, get medical attention.
Inhalation: Move to fresh air. Get immediate medical attention.
Ingestion: If product is swallowed, drink plenty of water or milk immediately. Get medical attention immediately.
Medical conditions generally aggravated by exposure: Not known.



MATERIAL SAFETY DATA SHEET

LED Stipple Gel

Reversion 1.1
Revised Date: 11-06-2016

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used:	>82°C (180F)
Flammability Limits in Air % by Volume:	ND
LEL:	ND
UEL:	ND
Auto-Ignition Temperature:	ND
Extinguisher Methods	Foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures:	When involved in a fire, this product may ignite readily and decompose to produce carbon oxide. Pressure buildup may occur due to heat exposure of closed containers. Water may be used to cool closed containers. Wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards:	Vapors are heavier than air and may travel along the ground to a source of ignition. Prevent build-up of explosive gases to explosive concentrations.

6. ACCIDENTAL RELEASE MEASURES

StepstobeTakenifMaterialis SpilledOrReleased: Eliminateallsourcesofignition. For small spills (e.g., <1 gallon) Wear appropriate personal protective equipment. Flushspilledmaterialintosuitableretaining areasorcontainerswithlargequantitiesofwaterorabsorbwithinertmaterialand collectinclosedcontainers. For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal.
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7. HANDLING AND STORAGE

Precautionsfor handling: Use local ventilation with a minimum capture velocity of 100 ft/min(30 m/min) at point of material release.
Precautions for storage: Product may congeal or stratify if subjected to below freezing temperatures. Store containers in a cool (40-80°F, 4-27°C), dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Keep container closed after each use. Store away from incompatible materials (see Section 10, Stability and Reactivity).
work & hygiene practices: Open containers slowly on a stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.
Special Precautions:



MATERIAL SAFETY DATA SHEET

LED Stipple Gel

Reversion 1.1
Revised Date: 11-06-2016

Avoid contact with skin, eyes, clothing, and prolonged contact with the product. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Ventilation & Engineering Controls:

When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). High temperature processing equipment should be well ventilated.

Respiratory protection:

A respirator may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. None required if airborne concentrations are maintained below the exposure limit. Follow OSHA respirator regulations found in 29 CFR §1910.134 or other appropriate governing standard.

Eye Protection:

Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.

Hand Protection:

If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the E.C. member states.

Body Protection:

No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

Chronic:

Prolonged exposure to vapors may cause nausea, headache and vomiting. Prolonged and repeated skin contact may cause sensitization.

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance	Clear to pigmented viscous liquid
Odor & odor threshold	Slight characteristic ester odor
Boiling Point	NA
Vapor Pressure (mm Hg and Temperature)	(mmHg) at 20°C:<0.01
Vapor Density(Air = 1)	ND
Specific Gravity (H ₂ O = 1)	NA
Decomposition Temperature	NA
Melting Point	NA
Evaporation Rate (BuOAc= 1)	ND
Flammable Limit (vol%)	ND
Auto-ignition Temperature (vol%)	ND



MATERIAL SAFETY DATA SHEET

LED Stipple Gel

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Water Reactive	No
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10. STABILITY AND REACTIVITY

Stability: Stable under ambient conditions when stored properly (see Section 7, Storage and Handling).
Hazardous Decomposition Products: If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases (e.g., CO, CO ₂).
Incompatibility materials to avoid: Strong oxidizers, strong reducers, free radical initiators, oxygen scavengers. Material has strong solvent properties and can soften paint.
Conditions to avoid: High temperatures, localized heat sources (example drum or band heaters) oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.

11. TOXICOLOGICAL INFORMATION

Toxicity Data: This product has not been tested on animals to obtain toxicology data. There are toxicology data for the components of the product, which are found in scientific literature. These data have not been presented in this document.	
Acute Toxicity:	ND
Biological Exposure Indices:	NE
Physician Recommendations:	Treat symptomatically.

12. ECOLOGICAL INFORMATION

Environmental Stability	There are no specific data available for this product.
Effects on Plants & Animals:	There are no specific data available for this product.
Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

13. DISPOSAL CONSIDERATION

Waste disposal method: Dispose waste material in accordance with Federal, State, and Local regulations.
Disposal of empty containers: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local



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LED Stipple Gel

Reversion 1.1
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regulations.

14. TRANSPORTATION INFORMATION

The basic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by:

49 CFR, IATA/ICAO, IMDG and the CTDGR:	Not regulated
IATA (AIR):	Not regulated
IMDG (OCN):	Not regulated
TDGR (Canadian GND):	Not regulated
ADR/RID (EU):	Not regulated

15. REGULATORY INFORMATION

RCRA:

This product is not considered to be a hazardous waste under RCRA (40 CFR 261).

SARA Reporting Requirements:

NA

SARA Threshold Planning Quantity:

There are no specific Threshold Planning Quantities for the components of this product.

TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or otherwise comply with TSCA premanufacture notification requirements.

TSCA Significant New Use Rule:

None of the chemicals listed have a SNUR under TSCA.

CERCLA Reportable Quantity (RQ):

NA

International inventory status

Canada (DSL):	The components of this product are listed on the DSL or NDSL.
China (IECSC):	Included on inventory
Europe (EINECS):	Included on inventory

State Regulatory Information:

No components of this mixture are listed in the California Proposition 65 Lists.

HAZARD SYMBOLS: Xi – Irritant

RISK STATEMENTS: R22 –Harmful if swallowed
R36/38 – Irritating to eyes and skin
R43 – May cause sensitization by skin contact

SAFETY STATEMENTS:

S7 – Keep container tightly closed
S9 – Keep container in a well-ventilated place
S18 – Handle and open container with care



MATERIAL SAFETY DATA SHEET

LED Stipple Gel

Reversion 1.1
Revised Date: 11-06-2016

S24/25 – Avoid contact with skin and eyes When using do not eat or drink
S36/37 – Wear suitable protective clothing and gloves
S38 – In case of insufficient ventilation, wear suitable respiratory equipment

16 - OTHER INFORMATION

Hazardous material identification system (HMIS) rating:	
Health:	2
Flammability:	1
Reactivity:	1
Personal protective equipment:	Gloves and Safety Glasses or Chemical Splash Goggles
National fire protection association (NFPA) hazard identification rating:	
Health:	2
Flammability:	1
Reactivity:	1

USER NOTES: The information contained herein we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. For this and other reasons, we assume no responsibility and expressly disclaim liability for, damage or expense arising out of any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be applicable.