



# Material Safety Data Sheet

Product Name:

SUNTEX F-2+

Version: December 20, 2024



## 1. Product and Company Identification

IDENTIFIED USAGE :	Crosslinking agents for water repellents Textile industrial use only
FORMULA :	Mixture SUN YANG PIONEER CO., LTD.
COMPANY IDENTIFICATION :	200, Nan Sang Rd., Guishan district, Taoyuan city, Taiwan (R.O.C)
CUSTOMER INFORMATION NUMBER :	+886-3-352-8588
EMERGENCY TELEPHONE NUMBER :	+886-927-515-235

## 2. Hazard Identification

### Classification

Acute toxicity (Oral)	Out of category
Skin corrosion/ irritation	Out of category
Serious eye damage/irritation	Out of category
Sensitization (Skin)	Category 1
Respiration (Skin)	Category 1
Acute hazards to the aquatic environment	Out of category

### GHS HAZARD PICTOGRAMS



### HAZARDS OF PRODUCT :

H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Signal word :

Danger



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**Precautionary Statements :**

P264 Wash with plenty of water and soap thoroughly after handling.

P501 Dispose of contents/container to industrial combustion plant

**Other Hazards :** There is no additional information

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Wt(%)	Classification
Trade secret	Trade secret	29~31%	Resp. Sens. 1 / H334 Skin Sens. 1 / H317

## 4. FIRST AID MEASURES

<b>General advice :</b>	First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). In all cases of doubt, or when symptoms persist, seek medical attention.
<b>Inhalation :</b>	Not relevant
<b>Skin Contact :</b>	Wash off with soap and water.
<b>Ingestion :</b>	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
<b>Eye Contact :</b>	Immediately flush eyes thoroughly with plenty of water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Get medical attention if irritation persists.
<b>Note to Physician :</b>	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.



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## 5. FIRE-FIGHTING MEASURES

Extinguishing Media :	Water may be effective for cooling, but may not effect extinguishment. Carbon dioxide, foam or dry powder.
Unsuitable	None known.
Extinguishing media :	
Hazardous	In the case of a fire, oxides of carbon, hydrocarbons, flumes, and smoke may be
Combustion Products:	produced.
Unusual Fire and	Violent steam generation or eruption may occur upon application of direct water
Explosion Hazards :	stream to hot liquids.

### ADVICE FOR FIREFIGHTERS

Special Fire Fighting      No special requirements.

Procedures :

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures :**

Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.

**Environmental Precautions :**

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**Methods and materials for containment and cleaning up :**

Absorb with materials such as : Sand. Dirt. Collect in suitable and properly labeled containers. Do not use water for cleanup. See Section 13, Disposal Considerations, for additional information.



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## 7. HANDLING AND STORAGE

**Handling :** No special precautions required. Store in a secure area. Provide appropriate ventilation.

**Storage :** No specific requirements. Keep container tightly closed. Avoid extreme temperatures.

**Shelf Life :** Use within 6 months

\*The shelf life given is for unopened containers stored under moderate temperature conditions.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**EXPOSURE LIMITS:** No data available

8 hour-time weighted average exposure limits (TWA)	Short-term exposure limits (STEL)	Maximum exposure limits (CELLING)	Biological standards (BEIs)
Not available	Not available	Not available	Not available

### PERSONAL PROTECTIVE EQUIPMENT

**Eye/Face Protection :** Use safety glasses (with side shields) are recommended to avoid contact with eyes.

**Skin Protection :** Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

**Ingestion :** Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

**Respiratory Protection :** When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

### ENGINEERING CONTROLS

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES/ CHARACTERISTIC

Physical State	
Color	Miky white
Odor	Mild
pH(25°C)	6.5~8.5
Melting Point/range	Approx.0°C
Freezing Point/range	See Pour Point
Boiling Point/range	Approx. 100°C
Flash point – Closed cup	Not determined
Flammability (solid, gas)	Not determined
Flammable Limits in Air	Lower : No test data available Upper : No test data available
Vapor Pressure	Not determined
Vapor Density ( air = 1)	Not determined
Evaporation rate (Butyl Acetate = 1)	Not determined
Density	1.02 g/cm3
Solubility in water (25°C)	Soluble
Partition coefficient, n-octanol/water (log Pow)	No test data available
Decomposition Temperature	No test data available
Auto-ignition Temperature	No test data available
Kinematic Viscosity	No test data available
Pour point	No test data available



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## 10. STABILITY AND REACTIVITY

### Stability :

See below "Conditions to avoid".

### Possible hazardous reactions under specific condition:

No known hazardous reactions

### Conditions to avoid :

There are no specific conditions known which have to be avoided.

### Hazardous decomposition products :

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## 11. TOCICOLOGICAL INFORMATION

	Method	Value	Unit
<b><u>Toxicity</u></b>			
Oral	OECD 401, 420, 423/ LD <sub>50</sub>	No test data available	mg/kg(PPM)
Dermal	OECD 402/ LD <sub>50</sub>	No test data available	mg/kg(PPM)
Mutagenicity / AMES test	OECD 471	Not detectable	pos./neg.
Chromosome aberration test	OECD 473	Not detectable	pos./neg.
<b><u>Irritation and</u></b>			
Skin	OECD 404	Negative	pos./neg.
Eye	OECD 405	Negative	pos./neg.
<b><u>Sensitization</u></b>			
skin	OECD 406	Positive	pos./neg.
Respiratory	--	Positive	pos./neg.



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## 12. ECOLOGICAL INFORMATION

<u>Eco-toxicity</u>	Method/Comment	Value	Unit
COD	NIEA W517.51B	1090	mg/g
BOD <sub>5</sub>	NIEA W510.55B	250	mg/g
<u>Aquatic Plant Toxicity</u>			
fish	OECD 203 / LC <sub>50</sub> / 96h	No test data available	mg/L
daphnia	OECD 202 / EC <sub>50</sub> / 48h	No test data available	mg/L
algae	OECD 201 / EC <sub>50</sub> / 72h	No test data available	mg/L
bacteria	OECD 209 / IC <sub>50</sub> / 3h	No test data available	mg/L
<u>Persistence and Degradability</u>			
	OECD 301D	18%(not readily biodegradable)	%

Mobility in soil : No relevant data found.

Bio accumulative potential : No relevant data found.

Other adverse effects : No relevant data found.

## 13. DISPOSAL CONSIDERATIONS

**DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.**

All disposal practices should be made in accordance with federal, state and local regulations.

Regulations may vary in different location. Waste characterizations and compliance with applicable laws

Are responsibility solely of the waste generator.

## 14. TRANSPORT INFORMATION

This product is not regarded as dangerous goods according to the national and international regulations on



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the transport of dangerous goods.

UN number; UN proper shipping name; Transport hazard class(es); Packing group

**ROAD ADR :** Not regulated for transport

**Railway RID :** Not regulated for transport

**Transport by sea IMDG-Code :** Not regulated for transport

**Air transport ICAO/IATA-DGR :** Not regulated for transport

## 15. REGULATION INFORMATION

**Applicable regulations in Taiwan:**

Labor Safety and Health Law.

Toxic Chemical Substances Management Regulations.

Toxic Chemical Substances Transportation Management Regulations.

Rules for Road Traffic Safety.

Fire Services Act.

Environmental Agents Control Act.

Waste Disposal Act.

Water Pollution Control Act.

Air Pollution Control Act.

Rules of GHS Hazard Communication for Dangerous Goods and harmful Materials.

Airborne Permissible Exposure Concentration of Harmful Materials at the Labor Work Environment.

## 16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither SUN YANG PIONEER CO., LTD. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.