

# SAFETY DATA SHEET FOR CHEMICAL PRODUCTS ( SDS )

Report No. NB2019114242

Date: November 25, 2019

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**Applicant Name** : SHENZHEN JINLIYANG TECHNOLOGY CO., LTD.

**Applicant Address** : 5F, BUILDING C, SHENGDELAN INDUSTRIAL PARK, KUKENG  
VILLAGE, GUANLAN, LONGHUA DISTRICT, SHENZHEN

**Product Name** : Lead-free Solder Flux

**Received Date** : November 21, 2019

**Compilation Period** : November 21, 2019 to November 25, 2019

**Regulatory Requirements** : As requested by the applicant, the Safety Data Sheet is prepared according to EU CLP Regulation ( EC ) No. 1272/2008.

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:



Manager



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## SECTION 1. Identification of the substance/preparation and company

- 1.1 Product Identification** : Lead-free Solder Flux
- 1.2 Model No.** : 559A, 559, 558, 557, 556, 554, 553, 552, 551, 550, 218, 223,
- 1.3 Recommended Use** : /
- 1.4 Manufacturer Name** : SHENZHEN JINLIYANG TECHNOLOGY CO., LTD.
- 1.5 Manufacturer Address** : 5F, BUILDING C, SHENGDELAN INDUSTRIAL PARK,
- 1.6 Manufacturer Tel** : 0755-83789777
- 1.7 Manufacturer Fax** : /
- 1.8 Manufacturer Email** : /
- 1.9 Emergency Phone** : 15818776906

## SECTION 2. Hazards identifications

### 2.1 Hazard Class:

According to EU regulation No 1272/2008(CLP), classification of risk categories.

H317: Sensitisation, skin, category 1

H318: Acute eye irritation, category 1

### 2.2 Pictograms:



### 2.3 Signal word:

Danger

### 2.4 Hazard description:

Causes eye severity irritation.

May cause an allergic skin reaction.

### 2.5 Precautionary description:



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P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

## SECTION 3. Composition / information on ingredients

Ingredient(s) of the product: Mixture

Substance name	Conc.	CAS. No	EC. No	CLP classification
685 rosin	25%	8050-09-7	232-475-7	H317 Sensitisation, skin 1
Fully hydrogenated rosin	20%	65997-06-0	266-041-3	/
Diethylene glycol ether	30%	111-90-0	203-919-7	/
Succinic acid	2%	110-15-6	203-740-4	H318 Acute eye irritation 1
Adipic acid	3%	124-04-9	204-673-3	H319 Serious eye damage/eye irritation 2A
Rose acid	5%	143-07-7	205-582-1	H318 Acute eye irritation 1
Thixotropic agent 6650	6%	/	/	/
Antioxidant BUT	2%	/	/	/
Surfactant	2%	/	/	/
Polyisobutylene 300R	5%	9003-27-4	618-360-8	/

## SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

### 4.1 Following inhalation:

If feeling uncomfortable, victim should be moved into fresh air. Seek medical attention.

### 4.2 Following skin contact:

Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feeling uncomfortable.

### 4.3 Following eye contact:

In case of contact may cause irritation, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician immediately if eyes are hurt.

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## 4.4 Following ingestion:

If ingestion rinse the mouth with water.

## SECTION 5. Firefighting measures

### 5.1 Hazardous Characteristics:

This product has no fire hazard.

### 5.2 Extinguishing Media:

Dry powder, Chemical foam, Carbon dioxide, water mist.

### 5.3 Firefighting procedures:

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

### 5.4 Hazardous combustion products:

None

## SECTION 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective measures (SEE SECTION 8).

### 6.2 Environmental precautions:

Discharge into the environment must be avoided.

### 6.3 Cleaning method:

Remove by liquid absorbing material (e.g. kieselguhr). Adhered or collected material should be promptly disposed of. Disposal of discarded waste/pollutants refers to SECTION 13.

## SECTION 7. Safe handling and storage

### 7.1 Handling Notes:

Avoid contact with eyes and skin.

### 7.2 Storage Notes:

Stored in cool and dry condition.

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Do not store with incompatible material (see section 10.2)

## SECTION 8. Exposure controls / personal protection

### 8.1 Occupational Exposure Limit:







No information

### 8.2 Engineering Control:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

### 8.3 Personal Protection:

General requirement:	     
Respiratory:	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Eyes :	Wear protective goggle (Conform to EC EN 166 or US-NIOSH).
Hands :	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

### 8.4 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

## SECTION 9. Physical and chemical properties

Appearance and Color	Transparency liquid
Odour	Slightly pungent smell
PH value	4-5

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Flammability	Non-combustible
Density(g/cm <sup>3</sup> )	0.77-0.795
Relative steam density (air = 1)	No Data
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity	Not Applicable
Flash point(°C,Closed cup)	Not Applicable
Boiling point(°C)	235-250
Melting point (°C)	130-150
Evaporation rate (kg/s)	Not Applicable
UEL %(V/V)	Not Applicable
LEL %(V/V)	Not Applicable
Auto-ignition temperature(°C)	Non-combustible
Decomposition temperature(°C)	Not easy to decompose
Solubility	Insoluble in water

## SECTION 10. Stability and reactivity

### 10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

### 10.2 Material for avoiding:

Strong oxide, acid and alkali.

### 10.3 Contact conditions for avoiding:

Sunlight, high temperature.

### 10.4 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11. Toxicological information

### 11.1 Acute toxicity:

Based on available data, the classification criteria are not met.

### 11.2 Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

### 11.3 Serious eye damage/irritation:

Irritating to eyes

### 11.4 Respiratory or skin sensitisation:

May cause an allergic skin reaction.

### 11.5 Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

### 11.6 Carcinogenicity:

Based on available data, the classification criteria are not met.

### 11.7 Reproductive toxicity:

Based on available data, the classification criteria are not met.

### 11.8 STOT-single exposure:

Based on available data, the classification criteria are not met.

### 11.9 STOT-repeated exposure:

Based on available data, the classification criteria are not met.

### 11.10 Aspiration hazard.:

Based on available data, the classification criteria are not met.

## SECTION 12. Ecological information

### 12.1 Toxicity:

No data available.

### 12.2 Persistence and degradability:

No data available.

### 12.3 Bioaccumulative potential:



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No data available.

## 12.4 Mobility in soil

No data available.

## 12.5 Other Dangers:

No data available.

## SECTION 13. Disposal considerations

### 13.1 Handling method for waste:

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

### 13.2 Handling method for uncleaned packaging

Processing as general waste processing after the empty container.

## SECTION 14. Transport information

This is not classified as a hazardous/dangerous material under IATA, IDMG, DOT regulations.

<b>Packaging Label</b>	None
<b>UN NO</b>	None
<b>Technical name</b>	None
<b>Transport hazard class</b>	None
<b>Subsidiary hazard class</b>	None
<b>Packing group</b>	None

## SECTION 15. Regulatory information

Hazardous chemicals catalog

Dangerous Goods Number Of United Nations

Classification and code of dangerous goods

Occupational Safety and Health Act (OSHA)

The principle of classification of transport packaging groups of dangerous goods



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In accordance with all local laws.

## SECTION 16. Other information

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use, this information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*\*\* END \*\*\*\*\*