

# Material Safety Data Sheet (MSDS)

**BOKAR International**

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MSDS No. : 23B/MSDS/11/17

Product Name : **Soldering Paste Flux XRF-12 for SMT Rework**

## 2. Composition / Ingredients

Substance/Mixture :

Chemical Synonym Name	Ingredients & Composition	CAS No.
Rosin	70% max	8050 – 09 – 7
Wax	5% max	N/A
Solvent (Glycol)	25% max	N/A
Activator (Non Halide)	2% max	N/A

## 3. Hazard Identification

Slightly irritating to skin and eyes.

## 4. Handling and Storage

Handling : Store in room temperature. General ventilation shall be provided.

Storage : Keep container tightly closed and in a well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight.

This flux has min shelf life of 2 years when stored in original containers at ambient temperatures. Avoid storage below temperatures of 5°C and above 30°C

## 5. Protection (Protective Equipment)

Inhalation: Safety protective mask.

Eyes : Goggles.

Hands : Rubber gloves.

<b>6. Physical / Chemical Properties</b>	
Outer appearance	: Gelatinous
Color:	: Pale Yellow
Odor:	: Slight Rosin Odor
Specific Gravity (23°C)	: 1.0 ± 0.005 gr/cm <sup>3</sup>
Viscosity (cP) 25°C	: 120.000 cP
Solid Content (wt%)	: > 60
pH	: 5
<b>7. First Aid Measures</b>	
Inhalation	: Remove the patient to the fresh air place and get medical attention
Skin contact	: Wash immediately with alcohol, soap and water. Remove contaminated cloth, do not re-use clothing until thoroughly cleaned.
Eye contact	: Rinse with warm water for 15 minutes, retracting the eye lid several times. Obtain emergency medical attention.
Ingestion	: If swallowed, give the affected person warm water if he/she is alert. Do not induce vomiting. Obtain emergency medical attention.
<b>8. Fire Fighting Measures</b>	
Extinguishing media	: Carbon dioxide (CO <sub>2</sub> ), dry chemical, water spray foam for alcohol.
Hazard	: The product will not cause fire and explosion hazards.
<b>9. Accidental Release Measures</b>	
Personal precautions	: Proper protection.
Environmental precautions	: Do not allow spill to spread to sewer or ground. Wash area thoroughly.
Method for cleaning up	: Scrap up spill. Dispose the waste in plastic container. Assure that disposal of all waste generated by the spill complies with the local, state and federal regulations.
<b>10. Stability and Reactivity</b>	
Stable	
<b>11. Toxicological Information</b>	
It is including symptoms and epidemic information about human being.	
Corrosive properties	: None
Irritant properties (skin, eyes)	: Irritant
Carcinogenic effects	: N/A
Mutagenic effects (microbe, chromosome system)	: N/A
Teratogenic effect	: N/A
Effect on the reproductive system	: N/A

**12. Ecological Information**

Degradability : The degradability of the product has not been stated.  
Ecotoxicity : The product is not expected to be hazardous to the environment. Other adverse effect : None.

**13. Disposal Considerations**

Dispose of waste and residues in accordance with local authority requirements.

**14. Transport Information**

International regulations  
Road & rail transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI/IATA-DGR): Non dangerous product.  
Proper shipping name : N/A  
Trade name : Soldering Paste Flux XRF-12

**15. Regulatory Information**

**R-Phrases**

R 43 : May cause sensitization by skin contact.  
R 36/37/38 : Irritating to the eyes, respiratory system and skin.

**S-Phrases**

S 2 : Keep out of children.  
S 20/21 : When using, do not eat, drink or smoke.  
S : Avoid contact with skin or eyes. In case of contact with skin, wash 24/25/26/28 immediately with plenty of water.  
S 36/37/39 : Wear suitable protective clothing, gloves and eyes of face protection.

**16. Other Information**

Hazard data and toxicological information are not comprehensive.  
Kindly be advised to carefully handle this product.

Rev. No. :01

November 11, 2017

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