

# Material Safety Data Sheet

To the Purchaser: This MSDS contains important environmental, health and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

Supplier Information:  
Santa Fe Jewellery Supply  
1513 Fifth Street Santa Fe, NM 87505

QUICK IDENTIFIER (In Plant Common Name)

SUPERIOR NO. 6

Issue Date

8/19/93

Emergency Telephone No.

800-424-9300-CHEMTREC

Date Prepared

8/19/93

## SECTION 1 - IDENTITY

Common Name: (used on label)  
(Trade Name & Synonyms)

SUPERIOR NO. 6 SILVER SOLDER FLUX

CAS No.

NA

Chemical Name

NA

Chemical Family

SILVER BRAZING PASTE FLUX

Formula

SEE BELOW

## SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical & common name(s))	CAS#	% BY WT.	Threshold Limit Value (unit)
POTASSIUM FLUOBORATE	14075-53-7	25-50%	2.5 MG/M3 AS FLUORIDE
*POTASSIUM TETRABORATE	1332-77-0	20-40%	NA
*WATER	7732-18-5	15-30%	NA

\*NON-HAZARDOUS SUBSTANCE

INFORMATION FOR MIXTURES IS BASED ON CONSTITUENT MSDS WHICH ARE AVAILABLE UPON REQUEST. (Minus Proprietary Trade Names)

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	NA	Specific Gravity (H <sub>2</sub> O = 1)	1.6	Vapor Pressure (mm Hg)	NA		
Percent Volatile by Volume (%)	30	Vapor Density (Air = 1)	NA	Evaporation Rate (WATER = 1)	0.2		
Solubility in Water	MODERATE	Reactivity in Water	NONE				
Appearance and Odor	WHITE ODORLESS PASTE						
Flash Point	NONE	Flammable Limits in Air % by Volume	Lower NA Upper NA	Extinguisher Media	NOT NEEDED	Auto-Ignition Temperature	NONE
Special Fire Fighting Procedures	NORMAL CAUTION WHEN DEALING WITH CHEMICALS						

Unusual Fire and Explosion Hazards

MAY RELEASE BORON TRIFLUORIDE FUMES  
UPON DECOMPOSITION.

## SECTION 4 - PHYSICAL HAZARDS

Stability  Unstable  Stable  Conditions  to Avoid **EXCESS HEAT**

Incompatibility (Materials to Avoid) **NA**

Hazardous Decomposition Products **POSSIBLY BORON TRIFLUORIDE FUMES**

Hazardous Polymerization  May Occur  Will Not Occur  Conditions  to Avoid

## SECTION 5 - HEALTH HAZARDS

Threshold Limit Value **SEE BELOW** Primary Route(s) of entry to body: **SKIN, EYES, INGESTION & FUME INHALATION**

Signs and Symptoms of Exposure **1. Acute Overexposure SALIVATION, COUGHING, CHOKING & CHILLS**

**2. Chronic Overexposure MAY CAUSE WEIGHT LOSS, BRITTLE BONES, ANEMIA, WEAKNESS AND STIFF JOINTS.**

Medical Conditions Generally Aggravated by Exposure **ANY WEAKNESS OF THE LUNGS, KIDNEYS OR LIVER WILL BE AGGRAVATED.**

Chemical Listed as Carcinogen or Potential Carcinogen	<b>NONE</b>	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.H.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit	<b>2.5 MG/M3</b>	ACGIH Threshold Limit Value	<b>2.5 MG/M3</b>	Other Exposure Limit Used	<b>2.5 MG/M3 NIOSH AS FLUORIDE</b>		

Emergency and First Aid Procedures **SEE BELOW**

- 1. Inhalation** REMOVE FROM CONTAMINATED AREA
- 2. Eyes** WASH THOROUGHLY WITH WATER AND CALL A PHYSICIAN
- 3. Skin** WASH THOROUGHLY WITH WATER
- 4. Ingestion** DRINK WATER OR MILK AND CALL A PHYSICIAN

## SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) **NIOSH APPROVED RESPIRATOR IN ABSENCE OF PROPER VENTILATION**

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
<b>TO REMOVE FUMES</b>	<b>X</b>	<b>X</b>	<b>NA</b>	<b>NA</b>

Protective Gloves **RUBBER OR PLASTIC-COATED** Eye Protection **SAFETY GOGGLES**

Other Protective Clothing or Equipment **RUBBER APRON**

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage **DO NOT STORE IN GLASS OR PORCELAIN CONTAINERS. AVOID CONTACT**

**WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.**

Other Precautions **KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT.**

Steps to be Taken in Case Material is Released or Spilled **CLEAN UP PASTE AND FLUSH REMAINING MATERIAL WITH LOTS OF WATER**

Waste Disposal Methods **DISPOSE IN ACCORDANCE WITH LOCAL & STATE EPA REGULATIONS.**

Judgements as to the suitability of information herein or the user's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this information, but there are no warranties, no representations and no responsibility as to accuracy or suitability of this information for purchase or use or for any consequence of its use.