

#7

000413

S. K. Williams Co.

## Material Safety Data Sheet

HAZARD RATING

HEALTH 0 FIRE 0

## Section 1

SPECIFIC-REACTIVITY  
PERSONAL PROTECTION

Manufacturers Name

Emergency Telephone

S.K. WILLIAMS COMPANY

414/464-2220

Address

4600 N. 124th Street

Wauwatosa, Wi 53225

Chemical Name

Zinc

Trade Name

Zinc plating

Chemical Family

Metal

Formula

Zn

## Section 2 - Hazardous Ingredients

| Paints, Preservatives, & Solvents | %   | TLV | Alloys & Metallic Coatings                | %   | TLV    |
|-----------------------------------|-----|-----|-------------------------------------------|-----|--------|
| Pigments                          | N/A | N/A | Base Metal                                | N/A | N/A    |
| Catalyst                          | N/A | N/A | Alloys                                    | N/A | N/A    |
| Vehicle                           | N/A | N/A | Metallic Coatings                         | 100 | 5MG/M3 |
| Solvents                          | N/A | N/A | Filler Metal Plus Coating<br>or Core Flux | N/A | N/A    |
| Additives                         | N/A | N/A | Others                                    | N/A | N/A    |
| Others                            | N/A | N/A |                                           |     |        |

Hazardous Mixtures of Other Liquids, Solids, or Gases

N/A

## Section 3 - Physical Data

|                                |           |                                           |      |
|--------------------------------|-----------|-------------------------------------------|------|
| Boiling Point ( F )            | 907       | Specific Gravity ( H <sub>2</sub> O = 1 ) | 7.13 |
| Vapor Pressure ( mm Hg.) @ 70* | F None    | Percent Volatile                          | N/A  |
| Vapor Density ( Air = 1 )      | N/A       | Evaporation Rate                          | N/A  |
| Solubility in Water            | Insoluble |                                           |      |

Appearance and Odor

White metal. No odor.

## SECTION 4 - Fire Protection

Flash Point (Method Used)

N/A

Extinguishing Media

N/A

Special Fire Fighting Methods

N/A

Unusual Fire & Explosion Hazards

Grinding and polishing dust may be an explosion/fire hazard.

## SECTION 5 - Health Hazard Data

Threshold Limit Value

5MG/M3 Fume

Effects Of Over Exposure Inhalation of zinc fumes from heating coating (welding, brazing, soldering) may cause fume fever.

Emergency & First Aid Procedures

Get victim to fresh air as soon as possible.  
Administer oxygen as required.  
Get medical attention.

## SECTION 6 - Reactivity Data

Stability

Stable

Incompatibility (Materials to Avoid)

Will form hydrogen gas in acids.

Hazardous Decomposition Products

N/A

Hazardous Polymerization

Will not occur.

## SECTION 7 - Spill or Leak Procedures

Steps to Be Taken in Case Material is Released or Spilled

N/A

Waste Disposal Method

According to local, state, & federal regulations.

## SECTION 8 - Special Protection Information

Respiratory Protection (Specify Type)

OSHA approved for dust, mist and fume.

Ventilation

Local exhaust for hot application.

Protective Gloves

Cotton / Leather

Eye Protection

Safety Glasses

## SECTION 9 - Special Precautions

Precautions to Be Taken in Handling & Storage

Complicated parts may trap plating solution, contact is to be avoided.

Other Precautions

See chromate MSDS.