

# Material Safety Data Sheet

**Quick Identifier:** Silver Paste 360-RS-4020

RUCO Druckfarben  
A.M. Ramp & Co. Gmbh  
D-65814 Eppstein/Ts.

**Hazard Ratings:** Health 1  
Flammability 3  
Reactivity 0

## Section I

**Distributors:** ITW Imtran. **Information:** Tel: +49-6198-3040 (RUCO)  
**Address:** 39 Shelley Road Tel: 978-372-3443 (Imtran)  
**City/State/Zip:** Haverhill, MA 01835 Fax: 978-372-9817

**Person Responsible for Preparation:** Dr. H. Nitschke **Date Prepared:** 9/2/97

## Section II Hazardous Ingredients

Hazardous Component(s) (Chemical & Common name(s))	OSHA PEL (ppm)	ACGIH TLV (ppm)	Other Exposure Limits (ppm)	Range (weight-%)	CAS-No.
Aluminum flakes				60 - 70	7429-90-5
Aliphatic hydrocarbons				15 - 20	64742-88-7
Aromatic hydrocarbons				15 - 20	64742-95-6

\*\*\*The product does not contain any ingredients being classified toxic according to EU regulations\*\*\*

## Section III Physical & Chemical Characteristics

<b>Boiling Point</b> N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> 1.4	<b>Vapor Pressure (mbar)</b> 10
<b>Vapor Density</b>	Heavier than air (3-4)	VOC (ingredients with vapor pressure > 0.1 mbar) 505 g/l
<b>Solubility In Water</b> insoluble	<b>Reactivity In Water</b> may generate highly flammable hydrogen gas	
<b>Appearance &amp; Odor</b>	Colored Paste with odor of organic solvents	<b>Melting Point</b> Unknown

## Section IV Fire & Explosion Data

<b>Flash Point</b> 38 °C (100 °F)	<b>Method Used</b> Closed cup	<b>Flammable Limits</b> In Air % by Volume	<b>LEL (Lower)</b> 0.9	<b>UEL (Upper)</b> 7.0
<b>Auto-Ignition Temperature</b> > 200 °C (> 392 °F)	<b>Extinguishing Media</b> Chemical powder, foam, carbon dioxide <b>Do not use water</b> as flammable hydrogen gas may be produced. Do not use halon			
<b>Special Fire Fighting Procedures</b>	Full protective equipment including self contained breathing apparatus should be used. Foam in large quantities. Cool endangered containers with water.			
<b>Unusual Fire &amp; Explosion Hazards</b>	Do not inhale fumes or decomposition products. Toxic gases may be generated by burning and thermal decomposition.			

