

**Safety data sheet  
 as per 91/155/EEC**

Written on: **25.02.2004**  
 Revised on: **26.10.2006**

SDS no. **028\_E**  
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**Trade Name:  
 Weller Tip Activator**

<b>1 Materials/Preparation and company designation</b>	
Production specifications:	<i>Tip - Activator ( TIP TINNER)</i>
Trade name: model no.	<i>Weller Tip Activator Order no. 005 13 031 99</i>
Manufacturer/supplier:	<i>CooperTools GmbH, Carl-Benz-Str. 2, 74354 Besigheim    Tel: +49 7143 580-0, Fax: +49 7143 580-108</i>
Information supplied by:	<i>Environmental Protection Department    Tel.: +49 7143 580 101, Fax: +49 7143 580 183</i>
Emergency Phone:	<i>GIZ Mainz Tel.: +49 6131 - 19240</i>

<b>2 Composition/component data</b>					
Chemical characteristics:					
Description:		<i>Tin in suspension with Ammonium Phosphate</i>			
Hazardous contents:					
<b>CAS No.</b>	<b>Designation</b>	<b>%</b>	<b>Code</b>	<b>R paragraphs</b>	<b>EU No.</b>
<i>7440-31-5</i>	<i>Tin</i>	<i>50</i>			
<i>7783-28-0</i>	<i>Ammonium Phosphate</i>	<i>50</i>			

<b>3 Potential hazards</b>	
Hazard designation:	<i>N/A</i>
Special hazards information for persons and environment:	<i>Fumes Emitted During USE Can Cause Headache and Irritation of Mucous Membranes in the Eyes and Respiratory System. Use Adequate Exhaust.</i>

<b>4 First aid measures</b>	
General information:	<i>None</i>
After inhalation:	<i>Provide fresh air; visit doctor in event of health complaints</i>
After skin contact:	<i>Wash thoroughly with water and soap.</i>
After eye contact:	<i>Flush eyes for several minutes with flowing water, keeping eyes open.</i>
After swallowing:	<i>If health complaints persist, visit doctor.</i>

<b>5 Fire-fighting measures</b>	
Suitable extinguishing agent:	<i>Dry Chemical or Equivalent Type Suitable for Metal Type Fires</i>
Unsuitable extinguishing agents for safety reasons:	<i>n.a.</i>
Special hazard resulting from the substance, its combustion products or resulting gases:	<i>n.a.</i>
Special protective equipment:	<i>If Tin is Involved in Fire, Use Full Protective Clothing and Self-Contained Breathing Apparatus Operated in Positive Pressure Mode.</i>

<b>6 Measures if inadvertently released</b>	
Personal precautions:	<i>Avoid skin contact.</i>
Environmental precautions:	<i>Never permit release to sewage system.</i>
Procedure for cleaning/gathering up:	<i>Scoop or Sweep UP and Discard.</i>

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<b>7</b>	<b>Handling and storage</b>			
	Handling			
	▪ Information for safe handling:	n.a.		
	▪ Information for fire and explosion protection:	n.a.		
	Storage			
	▪ Requirements for store rooms and containers:	Store in a cool and dry place. Avoid temperatures > 110 °F ( 43 °C)		
	▪ Storage with other substances:	n.a.		
	▪ Further details on storage conditions:	n.r.		
	▪ Storage class:	n.a.		
	▪ VbF class (regulation on flammable liquids)	n.r.		
<b>8</b>	<b>Exposure limits and personal protective equipment</b>			
	Additional information for layout of technical equipment:	Exhaust equipment		
	Components with limit values for monitoring in the workplace:			
	<b>CAS No.</b>	<b>Substance designation</b>	<b>Type</b>	<b>Limit value</b>
	7440-31-5	Tin	MAK u.D.  OSHA PEL	2 E  2.0
				mg/m <sup>3</sup>
	Additional information:	None		
	Personal protective equipment:	None		
	General protection and hygiene measures:	Wash hands prior to breaks and at end of work.		
	▪ Breathing protection	n.a.		
	▪ Hand protection	n.a.		
	▪ Eye protection	n.a.		
	▪ Body protection	n.a.		
<b>9</b>	<b>Physical and chemical properties:</b>			
	Form:	Paste		
	Colour:	Silver		
	Odour:	Low Odour when heated 450 °F (232 °C)		
		<b>Value/range</b>	<b>Unit</b>	<b>Method</b>
	Flashpoint:	n.a.		
	Ignition point	n.a.		
	Viscosity:	n.a.		
	Density at 20 °C:	n.c.		
	Lower Ex-limit:	n.a.		
	Upper Ex-limit:	n.a.		
	Solubility in water at 20 °C:	Tin Insoluble; Ammonium Phosphate Soluble		
	Change of state:	In high Humidity		
	Melting point:	450 °F (232 °C)		
	Boiling point/range:	500 °F (260 °C)		
	Extinguishing agent contents: organic water / Volume of solids	n.a.		
	Bulk density:	n.a.		
	Vapour pressure at 20 °C:	n.a.		
	pH-value at 2%:	n.a.		

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<b>10</b>	<b>Stability and reactivity</b>	
	Thermal decomposition conditions to be avoided:	<i>High Humidity. Evaporation – Open containers may change concentrations.</i>
	Hazardous reactions:	<i>Chlorine - Turpentine</i>
	Hazardous decomposition products:	<i>At Temperatures Above the Melting Point, Metal Oxide Fumes May Be Evolved.</i>

<b>11</b>	<b>Toxicology data</b>	
	Acute toxicity:	<i>Not Listed as a Carcinogen by NTP OSHA ACGIH</i>
	Primary irritant effects:	
	▪ On the skin:	<i>None</i>
	▪ On the eye:	
	▪ Sensory effects	
	▪ Additional toxicological information:	<i>None</i>

<b>12</b>	<b>Ecological information</b>	
	General information:	<i>Solid, no Liquid or Gas.</i>

<b>13</b>	<b>Notes on disposal</b>	
	Product:	
	▪ Recommendation:	<i>Use up. Dispose of in a Permitted Disposal Site in Accordance with all Federal and Local Disposal Regulations.</i>
	Waste reference number:	<i>Recommendation: 12 01 99</i>
	Waste name:	<i>Other non ferrous metal</i>
	Uncleaned packaging:	
	▪ Recommendation:	<i>Disposal according to official regulations.</i>
	▪ Disposal route:	<i>Waste Disposal</i>

<b>14</b>	<b>Transport data</b>	
	<b>Land transport ADR/RID and GGVE (internal/international)</b>	
	▪ ADR/RID-GGVS/E Class:	<i>n.a.</i>
	▪ Numeric character/letter:	
	▪ Kemler number:	
	▪ UN number:	
	▪ Designation of goods:	
	<b>Ocean transport IMDG/GGVSea</b>	
	▪ IMDG/GGVSea Class:	<i>n.a.</i>
	▪ Page:	
	▪ UN number:	
	▪ Packaging group:	
	▪ EMS number:	
	▪ MFAG:	
	▪ Marine pollutant:	
	▪ Correct technical name:	
	<b>Air transport ICAO-TI and IATA-DGR</b>	
	▪ ICAO/IATA Class:	<i>n.a.</i>
	▪ UN/ID number:	
	▪ Packaging group:	
	▪ Correct technical name:	

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<b>15</b>	<b>Instructions</b>	
	▪ Identification to EC directives:	<i>n.a.</i>
	▪ Identification letter and hazard designation of product:	<i>n.a.</i>
	▪ Hazard components for labelling:	<i>n.a.</i>
	▪ R paragraphs:	<i>n.a.</i>
	▪ S paragraphs:	<i>n.a.</i>
	▪ Special identification special preparations:	<i>n.a.</i>
	National regulations	
	▪ Occupational restrictions	<i>n.a.</i>
	▪ Hazardous Incident Ordinance:	<i>n.a.</i>
	▪ VbF Classification (regulation on flammable liquids):	<i>n.a.</i>
	▪ Technical atmospheric instructions:	<i>n.a.</i>
	▪ Water pollution class:	<i>0 (self-assessment)</i>
<b>16</b>	<b>Other information</b>	
		<i>none</i>

**This data is based on our present knowledge.  
 However, it does not constitute a guarantee for any specific product feature and shall not  
 establish a legally valid contractual relationship.**

**Department issuing data sheet: Environmental Protection Department  
 Contact partner: V. Heller**

n.a.	= not applicable
n.c.	= not determined
n.r.	= not required