

Safety data sheet as per 91/155/EEC		
Written on:	<b>25.02.2004</b>	SDS no. <b>028_E</b>
Revised on:	<b>26.10.2006</b>	Page <b>1 of 4</b>
Trade Name: <b>Weller Tip Activator</b>		

1	Materials/Preparation and company designation	
	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>GLZ Mainz Tel.: +49 6131 - 19240</i>

2	Composition/component data					
!	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>			

3	Potential hazards	
	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>

4	First aid measures	
	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>

5	Fire-fighting measures	
	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>

6	Measures if inadvertently released	
	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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7	Handling and storage				
	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.			
8	Exposure limits and personal protective equipment				
	Additional information for layout of technical equipment:		Exhaust equipment		
	Components with limit values for monitoring in the workplace:				
	CAS No.	Substance designation	Type	Limit value	Unit
	7440-31-5	Tin	MAK u.D.	2 E	mg/m³
			OSHA PEL	2.0	
	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.		
9	Physical and chemical properties:				
	Form:		Paste		
	Colour:		Silver		
	Odour:		Low Odour when heated 450 °F (232 °C)		
		Value/range	Unit	Method	
	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:	n.a.			
	organic				
	water / Volume of solids				
	Bulk density:	n.a.			
	Vapour pressure at 20 °C:	n.a.			
	pH-value at 2%:	n.a.			

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10	Stability and reactivity	
	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>

11	Toxicology data	
	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>

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

13	Notes on disposal	
	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>

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

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15	Instructions	
	▪ 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>
16	Other information	
		<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