SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation Weller Tip -Tinner -Activator
Article no. (user): Weller Tip -Tinner -Activator No. T00513 031 99, T00513 031 49

Other means of identification
SDS-28

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Sector of uses [SU]
SU16 Manufacture of computer, electronic and optical products, electrical equipment.

Product categories [PC]
PC38 Welding and soldering agent, flow modifier
Activator

1.3 Details of the supplier of the safety data sheet

Supplier
Weller Tools GmbH
Carl-Benz-Strasse 2
Germany-74354 Besigheim
Telephone: +49 7143 580-0
Telefax: +49 7143 580-108
E-mail: info@weller-tools.com
Dept. responsible for information: environmental department
Information telephone: +49 7143 580-101
Information telefax: +49 7143 580-108

1.4 Emergency telephone number

GIZ Mainz +49 6131 - 19240 (language - german, english, french)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

health hazards
Eye Irrit. 2

hazard statements for health hazards
H319 Causes serious eye irritation.

health hazards
STOT SE 3

hazard statements for health hazards
H335 May cause respiratory irritation.

health hazards
Skin Irrit. 2

hazard statements for health hazards
H315 Causes skin irritation.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

GHS07

Signal word
Warning

Hazard statements

hazard statements for health hazards
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H335 May cause respiratory irritation.

Precautionary statements

General:
P102 Keep out of reach of children.

Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Product identifiers
Diamoniumphosphat

2.3 Other hazards
No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Description
Tin in suspension with Ammonium Phosphate lead free / Bleifreier Aktivator für Lötspitzen-Verzinnung

Hazardous ingredients

tin, Zinn CAS 7440-31-5 EC 231-141-8	>=36 %
Ammoniumphosphat CAS 7722-76-1 EC 231-764-5	=24 %
Diamoniumphosphat CAS 7783-28-0 EC 231-987-8	=37 %
Surfactant / Tenside CAS 7757-82-6, 7732-18-5, 91-20-3 EC 231-820-9, 231-791-2, 202-049-5	<1 %

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Move victim out of danger zone. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation
Provide fresh air. In case of irritation of the respiratory tract seek medical advice.

Following skin contact
After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After eye contact
In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Extinguishing powder. Dry sand. D powder.

Unsuitable extinguishing media
High power water jet. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters

Special protective equipment for firefighters
In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal precautions

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment.

6.3 Methods and material for containment and cleaning up

No data available

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Measures to prevent aerosol and dust generation

Vapours / aerosols should be extracted by suction directly at point of origin.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class

Non-combustible solids
TRGS-510 Lagerklasse 13

Further information on storage conditions

Keep in a cool, well-ventilated place.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
7440-31-5	Tin compounds, inorganic, except SnH4	2 mg/m³		Indicative Occupational Exposure Limit Values, proposal [5] ~ European Union
7440-31-5	Tin compounds, inorganic, except SnH4	2 mg/m³	4 mg/m³	Great Britain (UK)

LTV = long-term occupational exposure limit value
STV = short-term occupational exposure limit value
source: GESTIS International Limit Values (http://limitvalue.ifa.dguv.de/)
Monitoring and observation processes: GESTIS Analytical Methods (http://amcaw.ifa.dguv.de/)

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

Personal protection equipment

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

solid

Colour

grey

Odour
characteristic

		parameter	Method - source - remark
pH	6	Temperature 20 °C	
Melting point/freezing point	ca.232 °C		
Initial boiling point and boiling range	ca.260 °C		
Flash point (°C)			not determined
Evaporation rate			not determined
flammability			not determined
Upper explosion limit			not determined
lower explosion limit			not determined
Vapour pressure			not determined
Vapour density			not determined
Relative density			n.b.
Fat solubility (g/L)			not determined
Water solubility (g/L)			partially soluble (Ammonium-Phosphat)
Soluble (g/L) in			not determined
Partition coefficient: n-octanol/water			not determined
Auto-ignition temperature			not determined
Decomposition temperature			not determined

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No information available.

10.2 Chemical stability
No information available.

10.3 Possibility of hazardous reactions
No information available.

10.4 Conditions to avoid
No information available.

10.5 Incompatible materials

Materials to avoid
Air, humid.

10.6 Hazardous decomposition products
chlorine. Toxic metal oxide smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Assessment/classification
May cause respiratory irritation.

Serious eye damage/irritation

Assessment/classification
irritant.

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification
sensitizing.

SECTION 12: Ecological information

12.1 Toxicity
No information available.

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product
Waste disposal according to official state regulations. Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Waste code product 120199

hazardous waste No

Waste name
wastes not otherwise specified

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable	not applicable

Additional information

All transport carriers
Not a hazardous material with respect to transportation regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Authorisations and/or restrictions on use

Restrictions of occupation
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Other regulations (EU)

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Entry in Annex I, Part 2
none

15.2 Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Relevant R-, H- and EUH-phrases (Number and full text)

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H335 May cause respiratory irritation.

Key literature references and sources for data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.