

1. Identification of the substance/ preparation and of the company/ undertaking

Identification of the substance or preparation

Synonym(s)

SDB-28

Trade name Weller Tip -Tinner -Activator

Article no. (user): Weller Tip -Tinner -Activator No. T00513 031 99

Company/ undertaking identification

Supplier

Weller Tools GmbH

Carl-Benz-Strasse 2

Germany-74354 Besigheim

P.O. Box:

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

Emergency telephone: GIZ mainz +49 6131 - 19240 (language - german, english, french)

2. Hazards identification

Labelling (67/548/EEC or 1999/45/EC)

Danger symbol(s) and danger term(s) for dangerous materials and preparations

Xi Irritant.

R phrases

R36/37 Irritating to eyes and respiratory system.

Special labelling of particular preparations

Safety data sheet available for professional user on request.

S phrases

S2 Keep out of the reach of children.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Classification according EC regulation 1272/2008 (CLP)

Health hazards

Hazard classes and hazard categories:

Eye Irrit. 2

Hazard Statements:

H319 Causes serious eye irritation.

Hazard classes and hazard categories:

Resp. Sens. 1

Hazard Statements:

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Labelling (EU-GHS)

Hazard pictograms



GHS07

Hazard Statements

Hazard statements for health hazards:

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

General information:

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

Signal word

Warning

3. Composition/ Information on ingredients

Preparation related information

Description

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

Dangerous ingredients

tin, Zinn	>=34 %
CAS 7440-31-5	
EC 231-141-8	
Diamoniumphosphat	=12 %
CAS 7783-28-0	
EC 231-987-8	
Xi; R36/37/38	
Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / Resp. Sens. 1, H334 / STOT SE 3, H335 / STOT SE 3, H336	
Ammoniumphosphat	=47 %
CAS 7722-76-1	
EC 231-764-5	
Surfactant / Tenside	<1 %
CAS 7757-82-6, 7732-18-5, 91-20-3	
EC 231-820-9, 231-791-2, 202-049-5	

4. 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.

After skin contact

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

Following 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.

5. Fire-fighting measures

Suitable extinguishing media

Extinguishing powder. Dry sand. D powder.

Extinguishing media which must not be used for safety reasons

High power water jet. Carbon dioxide.

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions

See protective measures under point 7 and 8.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up

Treat the assimilated material according to the section on waste disposal.

7. Handling and storage

Handling

Information for safe handling

Preventive measures

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

Technical measures

Measures to prevent aerosol and dust accumulation

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

Storage

Further information concerning storage conditions

Keep in a cool, well-ventilated place.

8. Exposure controls/ Personal protection

Exposure limit values

Components with workplace or biological limit values to be monitored

exposure limit values

Air limit values

CAS-No.	substance name	LTV	STV	CLV
7440-31-5	Tin cpds, inorganic, except SnH4	2 mg/m ³	4 mg/m ³	

LTV = Long term occupational exposure limit value

STV = Short term occupational exposure limit value

CLV = Instantaneous value

Exposure controls

Occupational exposure 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.

General protection and hygiene measures

Do not eat, drink, smoke or snort at the workplace. Wash hands before breaks and after work.

9. Physical and chemical properties

General information

Appearance

Colour

grey

State of matter

solid

Odour

characteristic

Important health, safety and environmental information

Safety relevant basis data

boiling temperature / boiling range: ca.260 °C

density

Remark:

n.b.

melting point / melting range: ca.232 °C

Solubility

Solubility in water (g/l)

Remark:

partially soluble

(Ammonium-Phosphat)

10. Stability and reactivity

Hazardous decomposition products

chlorine. Toxic metal oxide smoke.

Materials to avoid

Air, humid.

11. Toxicological information

Toxicological Tests

Irritation and etching

Irritant effect on the eye

Evaluation:

irritant.

Irritant effect on the respiratory tract

Evaluation:

May cause respiratory irritation.

Sensitization

following inhalation

Evaluation:

sensitizing.

12. Ecological information

Type judging

On the basis of existing data about disposal/decomposition and bio-accumulation potential, long term environmental damage is unlikely.

Further ecological information

Further details

Do not allow uncontrolled leakage of product into the environment.

13. Disposal considerations

Appropriate disposal/Product

Entsorgung gemäß Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG). 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 key product: 120199

Waste designation:

Abfälle a. n. g.

14. Transport information

Additional information

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

EU-Regulations

Chemical Safety Assessment

Irritant.

16. Other information

Data sources

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.

Safety Data Sheet
as per 1907/2006/EC Article 31

Written on: **09.07.2007**
Revised on: **25.06.2012**

SDS-No. **036_E**
Seite **1 of 6**

Trade Name:
Weller Polishing Bar

1 Identification of the substance/preparation and of the company/undertaking	
Production specifications:	<i>Nylon Backed Coate Abrasive Material</i>
Trade Name:	<i>Polishing Bar</i> Ord.-No. <i>WPB1</i>
Manufacturer/supplier:	Weller Tools GmbH, Carl-Benz-Str. 2, 74354 Besigheim Tel: +49 7143 580-0, Fax: +49 7143 580-108
Information supplied by:	Environmental Protection Department Tel.: +49 7143 580 101, Fax: +49 7143 580 108
Emergency Phone:	GIZ Mainz Tel.: +49 6131 - 19240

! 2 Hazards identification

Classification of the substance or mixture

· Hazard description:



Xi Irritant

· Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36/37/38 Irritating to eyes, respiratory system and skin.

· Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· GHS label elements



Warning

H315 – Causes skin irritation.

H319 - Causes serious eye irritation.

H335 – May cause respiratory irritation

· 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.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

! 3 Composition/ information on ingredients

Chemical characterization

Description: Mixture: consisting of the following components.

Dangerous components:

CAS:409-21-2 silicon carbide



Xi; R 36/37/38

35-45 %

EINECS: 206-991-8



3.1 O/3, 3.3/2

Additional information: For the wording of the listed risk phrases refer to section 16.

! 4 First aid measures

· General information:

Take affected persons out of danger area and lay down.

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Induce vomiting, if person is conscious. Seek medical help.

Safety Data Sheet
as per 1907/2006/EC Article 31

Written on: **09.07.2007**
Revised on: **25.06.2012**

SDS-No. **036_E**
Seite **2 of 6**

Trade Name:
Weller Polishing Bar

! 5 Fire-fighting measures

Suitable extinguishing agents:

Substance is incombustible. Select fire fighting measures according to the surrounding conditions.

- **For safety reasons unsuitable extinguishing agents:** none
- **Protective equipment:** --.

! 6 Accidental release measures

· **Person-related safety precautions:**

Wear respiratory protection, eye protection, hand protection and body protection (see chapter Personal Protection). Carefully sweep up, gather and remove. Avoid rising dust. Afterwards ventilate area and wash spill site.

Endangerment of water:

No hazards to sources of water are to be feared if released into water, drainage, sewer, or the ground.

! 7 Handling and storage

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Washing facility at the workplace required. Eye bath required. These locations must be signposted clearly.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

! 8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

409-21-2 silicon carbide

WEL Short-term value: 10 mg/m³

Long-term value: 3 mg/m³

Additional information: The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter B

Filter P2

· **Protection of hands:**



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Safety Data Sheet
as per 1907/2006/EC Article 31

Written on: **09.07.2007**
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Trade Name:
Weller Polishing Bar

· **Penetration time of glove material**

Value for the permeation: Level ≥ 6

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

! 9 Physical and chemical properties:

General Information	Nylon Backed Coated Abrasive Material
Form:	Solid
Colour:	Grey
Odour:	Odourless
· Change in condition	
Melting point/Melting range:	---
Boiling point/Boiling range:	Undetermined
Flash point:	Not applicable
Ignition temperature:	Not determined
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Vapour Pressure (20°C)	Not determined
Density at 20°C:	3,21 g/cm ³
Bulk density at 20°C:	700 ... 1700 Kg/m ³
Solubility in / Miscibility with water:	practically insoluble
Solvent content:	
Organic solvents:	0.0 %
pH-value (100 g/l) at 20°C:	Not determined

! 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

· **Materials to be avoided:**

· **Dangerous reactions**

Reacts with oxidizing agents.

· **Dangerous decomposition products:**

silicon carbide

! 11 Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the eye: Irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

! 12 Ecological information

· **Ecotoxicological effects:**

Additional ecological information:

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment):

No hazards to sources of water are to be feared if released into water, drainage, sewer, or the ground.

Safety Data Sheet as per 1907/2006/EC Article 31		
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Trade Name: Weller Polishing Bar		

13 Disposal considerations

Waste treatment methods:

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

11 01 98* other wastes containing dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Packaging group:** -
- **Hazard label:** -
- **Special marking:** -
- **UN proper shipping name:** -
- **Limited Quantity (LQ)** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **UN-Number:** -
- **Label** -
- **Packaging group:** -
- **EMS-Number:** -
- **Marine pollutant:** No
- **Segregation groups** -
- **Proper shipping name:** -

- **Air transport ICAO-TI und IATA-DGR:**
- **ICAO/IATA-Class:** -
- **UN/ID Number:** -
- **Label** -
- **Special marking:** -
- **Packaging group:** -
- **Proper shipping name:** -

!15 Regulatory information

· **Labeling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xi Irritating

· **Hazard-determining components of labeling:**

silicon carbide

· **Risk phrases:**

R 36/37/38 Irritating to eyes, respiratory system and skin.

· **Safety phrases:**

2 Keep out of the reach of children.

13 Keep away from food, drink and animal feeding stuffs.

22 Do not breathe dust.

25 Avoid contact with eyes.

46 If swallowed, seek medical advice immediately and show this container or label.

56 Dispose of this material and its container to hazardous or special waste collection point.

Safety Data Sheet as per 1907/2006/EC Article 31		
Written on:	09.07.2007	SDS-No. 036_E
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Trade Name: Weller		Polishing Bar

!16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

R 36/37/38 Irritating to eyes, respiratory system and skin.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

·! Data compared to the previous version altered.

**The specifications are based on the present-day status of our knowledge,
but do not represent any assurance of product properties and are not a basis for any
contractual legal relationship.**

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