

Safety Data Sheet

according to WHS Regulations

Printing date 16.09.2021

Version number 1

Revision: 16.09.2021

1 Identification

- **Product identifier**
- **Trade name:** **ABICLEAN All-in-one**
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Metal-working product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Alexander BINZEL
Schweißtechnik GmbH & Co.KG
Postfach 10 01 53 / D-35331 Giessen
Tel.: +49 (0) 6408 / 59-0
Fax: +49 (0) 6408 / 59-191
Mail: technisedokumentation@binzel-abicor.com

- **Further information obtainable from:** Sales company: Binzel Pty. Ltd., 42 Hinkler Rd, Mordialloc, Victoria, 3195, Australia


Responsible Person: Stuart Hammerton


Phone: +61 (0) 39580 6500
e-Mail: Stuart@binzel.com.au
Poison Information Center Tel.: 131 126

- **Emergency telephone number:** Poison Information Center Tel.: 131 126

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Met. Corr.1 H290 May be corrosive to metals.
Acute Tox. 4 H302 Harmful if swallowed.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

 - **Label elements**
 - **GHS label elements**
 - **Hazard pictograms** The product is classified and labelled according to the Globally Harmonised System (GHS).
- 
GHS05


GHS07
- **Signal word** Danger
 - **Hazard-determining components of labelling:** phosphoric acid
 - **Hazard statements** H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
 - **Precautionary statements** P260 Do not breathe dusts or mists.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
 - **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
 - **Description:** Mixture: consisting of the following components.
- | - Dangerous components: | | |
|--------------------------------|--|---------|
| 7664-38-2 phosphoric acid | | 50-100% |
- **Additional information:** For the wording of the listed hazard phrases refer to section 16. EN-AU

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4 First Aid Measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
Do not leave affected persons unattended.
Personal protection for the First Aider.
Take affected persons out of danger area and lay down.
- **After inhalation:** Seek immediate medical advice.
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
Immediately wash with water and soap and rinse thoroughly.
Seek medical treatment in case of complaints.
- **After eye contact:** Call a doctor immediately.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Protect unharmed eye.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** Medical supervision for at least 48 hours.

5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.
Nitrogen oxides (NOx)
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
Wear fully protective suit.
Do not inhale explosion gases or combustion gases.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Avoid contact with skin and eyes
- **Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
- **Reference to other sections** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling** Store in cool, dry place in tightly closed receptacles.

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Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Open and handle receptacle with care.

- Information about fire - and explosion protection:

Keep respiratory protective device available.

- Conditions for safe storage, including any incompatibilities

- Storage:

- Requirements to be met by storerooms and receptacles:

Provide acid-resistant floor.
Store only in the original receptacle.
Store in a cool location.
Prevent any seepage into the ground.

- Information about storage in one common storage facility:

Store away from foodstuffs.
Do not store together with alkalis (caustic solutions).

- Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Keep container tightly sealed.

- Storage class:

Recommended storage temperature: 5-30 °C
8 B

- Specific end use(s)

No further relevant information available.

8 Exposure controls and personal protection

- Additional information about design of technical facilities:

No further data; see item 7.

- Control parameters

- Ingredients with limit values that require monitoring at the workplace:

7664-38-2 phosphoric acid

WES	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³
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- Additional information:

The lists valid during the making were used as basis.

- Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
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:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device, when using spray application.
Filter B

- Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves

Chloroprene rubber, CR
Recommended thickness of the material: ≥ 0.6 mm
Penetration time (min.): < 480

- Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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- Eye protection:



Tightly sealed goggles

- Body protection:

Protective goggles and facial protection - Classification according to EN 166
 protective clothing (EN 13034)
 Acid resistant protective clothing

9 Physical and Chemical Properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Fluid
Colour:	Colourless
- Odour:	Odourless
- Odour threshold:	Not determined.

- pH-value at 20 °C: <1

- Change in condition

Melting point/freezing point:	-18 °C
Initial boiling point and boiling range:	135 °C

- Flash point: Not applicable.

- Flammability (solid, gas): Not applicable.

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard.

- Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

- Density at 20 °C: 1.58 g/cm³

- Relative density: Not determined.

- Vapour density: Not determined.

- Evaporation rate: Not determined.

- Solubility in / Miscibility with water:

Fully miscible.

- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

- Solvent content:

Water: 40.0 %

- Other information: No further relevant information available.

10 Stability and Reactivity

- Reactivity: No further relevant information available.

- Chemical stability

- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- Possibility of hazardous reactions

Forms hydrogen in aqueous solution with metals.
 Exothermic reaction with: Lye
 When diluting, always add acid to water, never vice versa.

- Conditions to avoid

No further relevant information available.

- Incompatible materials:

No further relevant information available.

- Hazardous decomposition products:

Hydrogen

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Phosphorus oxides (e.g. P2O5)

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11 Toxicological Information

- Information on toxicological effects
- Acute toxicity

- LD/LC50 values relevant for classification:

7664-38-2 phosphoric acid

Oral	LD50	200 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- Primary irritant effect:

- Skin corrosion/irritation
- Serious eye damage/irritation

Caustic effect on skin and mucous membranes.

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

- 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:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological Information

- Toxicity

- Aquatic toxicity:

7664-38-2 phosphoric acid

ErC50	>100 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201)
EC50	>100 mg/l (Daphnia magna) (48h, OECD 202)

- Persistence and degradability

Anorganic product, is not eliminable from water by means of biological cleaning processes.

- Behaviour in environmental systems:

- Bioaccumulative potential

No further relevant information available.

- Mobility in soil

No further relevant information available.

- Additional ecological information:

- General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- Results of PBT and vPvB assessment

- PBT:

Not applicable.

- vPvB:

Not applicable.

- Other adverse effects

No further relevant information available.

13 Disposal considerations

- Waste treatment methods

- Recommendation

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

- Uncleaned packaging:

- Recommendation:

Disposal must be made according to official regulations.

- Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14 Transport information

- UN-Number

- ADG, IMDG, IATA

UN1805

- UN proper shipping name

- ADG

1805 PHOSPHORIC ACID, SOLUTION

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- IMDG, IATA	PHOSPHORIC ACID, SOLUTION
- Transport hazard class(es)	
- ADG	
- Class	8 (C1) Corrosive substances.
- Label	8
- IMDG, IATA	
- Class	8 Corrosive substances.
- Label	8
- Packing group	III
- ADG, IMDG, IATA	III
- Environmental hazards:	Not applicable.
- Special precautions for user	Warning: Corrosive substances.
- Hazard identification number (Kemler code):	80
- EMS Number:	F-A,S-B
- Segregation groups	Acids
- Stowage Category	A
- Segregation Code	SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
- Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
- Tunnel restriction code	E
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III

15 Regulatory information

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

- Australian Inventory of Industrial Chemicals

All ingredients are listed.

- Standard for the Uniform Scheduling of Medicines and Poisons

7664-38-2 | phosphoric acid

S5, S6

- Australia: Priority Existing Chemicals

None of the ingredients is listed.

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I

None of the ingredients is listed.

- Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

EN-AU

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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.

- **Department issuing SDS:**

- **Contact:**

- **Abbreviations and acronyms:**

Technical Documentation

Technical Documentation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

- **Sources**

- www.echa.europa.eu

- www.baua.de

IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance:

- www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp

- www.dguv.de/ifa/gestis/gestis-dnel-liste

- * **Data compared to the previous version altered.**

EN-AU