



Material Safety Data Sheet

Manufacturer: PZ CORMAY S.A.
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between: 8 am and 4 pm

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1. Identification of the preparation.

Liquick Cor - ALAT mini (catalogue N° 1-289)
Liquick Cor - ALAT 30 (catalogue N° 1-221)
Liquick Cor - ALAT 60 (catalogue N° 1-216)
Liquick Cor - ALAT 120 (catalogue N° 1-217)
Liquick Cor - ALAT 500 (catalogue N° 1-312)
Liquick Cor - ALAT "bulk" (catalogue N° 1-281)
PRESTIGE 24i LQ ALAT (Version 24) (catalogue N° 4-216)
PRESTIGE 24i LQ ALAT (Version 36) (catalogue N° 4-416)
ACCENT-300 ALAT (catalogue N° 7-316)
ACCENT-200 ALAT (catalogue N° 7-216)
HC-ALAT (catalogue N° 4-516)
A-400 ALAT (catalogue N° 7-416)

The Liquick Cor – ALAT, PRESTIGE 24i LQ ALAT, HC-ALAT, ACCENT-300 ALAT, ACCENT-200 ALAT, A-400 ALAT sets consist of components: 1-ALAT (1-REAGENT) and 2-ALAT (2-REAGENT).
The sets are designed for Health Service laboratories for determination of alanine aminotransferase activity in blood serum and plasma.

2. Hazards Identification.

The preparation is not regarded as dangerous.

3. Composition / information on components.

Dangerous components:	
1-ALAT; 1-REAGENT	
sodium azide	Contains: < 0,1%
CAS number: 26628-22-8	
EC number: 247-852-1;	
Index number: 011-004-00-7	Harmfulness: T+; N; Phrases: R 28-32-50/53; S 28-45-60-61

hydrochloric acid	Contains: < 0,4%
CAS number: 7647-01-0	
EC number: 231-595-7	
Index number: 017-002-01-32(37)	Harmfulness: C Phrases: R 34-37; S 26-45
Tris (hydroksymetylo)aminometan	Contains: < 1,6%
CAS number: 77-86-1	
EC number: 201-064-4	
Index number: -	Harmfulness: Xi; Phrases: R 36/38; S -
2-ALAT; 2-REAGENT	
sodium azide	Contains: < 0,1%
CAS number: 26628-22-8	
EC number: 247-852-1;	
Index number: 011-004-00-7	Harmfulness: T+; N; Phrases: R 28-32-50/53; S 28-45-60-61
sodium hydroxide	Contains: < 0,03%
CAS number: 1310-73-2	
EC number: 215-185-5	
Index number: 011-002-00-6	Harmfulness: C; Phrases: R 35; S (1/2) 26-37/39-45
α-ketoglutaric acid	Stężenie: < 1,5 %
CAS number: 328-50-7	
WE number: 206-330-3	
Index number: -	Harmfulness: Xi; Phrases: R 37/38-41 S: 26-39

4. First-Aid Measures.

After exposure by respiratory passages: fresh air.
After skin contamination: wash off with large amount of water.
Take off the contaminated clothing.
After contamination of eyes: rinse with large amount of water.
After consumption: give the sufferer a large amount of water to drink.
If the sufferer feels unwell, consult a doctor.

5. Fire Fighting Measures:

Suitable extinguishing media:
Suitable for materials stored in immediate vicinity.
The preparation is not a flammable substance.

6. Accidental Release Measures:

Preventive measures related to the staff:
Avoid contamination with the preparation.
Cleaning /absorption procedures :
Collect small quantities with the use of an absorbing agent, rinse with large amount of water if necessary.

7. Handling and Storage:

Procedures:
In accordance with the norms generally accepted for chemicals in laboratories.
Storage:
Hermetically closed. In temperature from +2°C do +8°C.

8. Exposure Controls/ Personal Protection:

Appropriate control parameter:

See Polish regulations.

sodium azide: NDS – 0,1 mg/m³, NDSCh – 0,3 mg/m³. Risk of skin absorption.

sodium hydroxide: NDS – 0,5 mg/m³, NDSCh – 1,0 mg/m³.

Hydrogen chloride: NDS – 5 mg/m³, NDSCh – 10 mg/m³.

Personal control equipment:

Respiratory passages: not required

Eyes: not required

Hands: required (protective gloves)

Industrial hygiene:

Change contaminated clothing. Wash your hands after work with the substance.

9. Physical and Chemical Properties.

	<u>1-ALAT</u> <u>1-REAGENT</u>	<u>2-ALAT</u> <u>2-REAGENT</u>
Form:	<i>solution</i>	<i>solution</i>
Colour:	<i>colourless</i>	<i>colourless</i>
Odour:	<i>odourless</i>	<i>odourless</i>
Vapour pressure:	<i>no data available</i>	<i>no data available</i>
Boiling temperature:	<i>no data available</i>	<i>no data available</i>
Melting temperature:	<i>no data available</i>	<i>no data available</i>
Ignition temperature:	<i>incombustible</i>	<i>incombustible</i>
Flammability:	<i>incombustible</i>	<i>incombustible</i>
Density:	<i>1,023 g/cm³ (20⁰ C)</i>	<i>1,008 g/cm³ (20⁰ C)</i>
pH:	<i>7,4 (30⁰ C)</i>	<i>10,0 (25⁰ C)</i>

10. Stability and Reactivity:

Conditions that should be avoided:

The preparation is stable in conditions provided by the manufacturer.

Substances that should be avoided:

Heavy metals, metal salts, acids.

Dangerous decomposition products:

In the case of fire – nitrose gases.

Further information:

A stabilized product.

11. Toxicological Information:

Acute toxicity:

Quantitative data on the toxicity of this product are not available.

Further toxicological information:

Toxic activity should not be expected if you use this product appropriately.

Further data:

The product should be handled with the care usual when dealing with chemicals.

12. Ecological Information:

Ecotoxic activity:

Quantitative data on the ecological effect of this product are not available

Further ecological data:

Ecological problems should not be expected if you use and apply the product appropriately.

13. Disposal Considerations:

Product:

Chemical residues, in general, are included into special waste. Disposing of the latter is regulated by appropriate laws and ordinances. We recommend contacting the appropriate authorities, or waste disposal enterprises that will advise you on how to dispose of special waste.

Packing:

Remove in accordance with official regulations. Treat contaminated packages in the same way as the substance itself. If the regulations do not provide otherwise, non-contaminated packages can be treated like household waste or forward them to be utilized.

14. Transportation Information:

The product is not subject to transport regulations.

15. Regulatory Information:

Material Safety Data Sheet was prepared in accordance with:

The EC Directive Nr UE2001/58/WE, the EC Directive Nr 1999/45/EG, the EC Directive 67/548 EEC, EC Directive 88/379/EEC or the EC Directive 91/155/EEC (Dangerous Product Regulations incl. EC Guidelines). Regulation (EC) No 1907/2006 of European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (attachment II)
See Polish regulations.

Marking:

Not applicable.

16. Other Information.

The foregoing information is based on the present state of our knowledge. It characterizes the product with respect to the appropriate safety measures. They do not guarantee the properties of the product.

We do not take responsibility for damage and losses that may result from inappropriate use of the preparation.

Reason of changes:

Extension offer.

The foregoing safety chart prepared in electronic version is legally valid without sign manual.