

Material Safety Data Sheet

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1. Identification of the preparation.

	CAT NO.
ALAT 5*100	A2311
ALAT 5*50	A2312
ALAT 5*25	A2313
ALAT BULK	A2310B

2. Composition / information on components.

Dangerous components:			
1-TG; 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	
sodium hydroxide		Contains: < 0,4%	
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	
4-aminoantypyrine		Contains: < 0,02%	
CAS number:	83-07-8		
EC number:	201-452-3		
Index number: -		Harmfulness: Xn; Phrases: R 22-36/37/38; S 26-36	
2-TG; 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: < 0,2%	
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	
calcium chloride		Contains: < 0,003%	
CAS number:	10043-52-4		
EC number:	233-140-8		
Index number:	013-00-2017-	Harmfulness: Xi; Phrases: R 36; S 2-22-24	
3-STANDARD			
acetic acid		Contains: < 0,4%	
CAS number:	64-19-7		
EC number:	200-580-7		
Index number:	607-002-00-6	Harmfulness: C; Phrases: R: 10-35; S: (1/2)28-45	
sodium hydroxide		Contains: < 0,3%	
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	

3. Hazards Identification.

The preparation is not regarded as dangerous.

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.

Evoke vomiting. Administer activated charcoal.

If the sufferer feels unwell, consult a doctor.

5. Fire Fighting Measures:

Suitable extinguishing media:

In adaptation to materials stored in the immediate neighbourhood. Water, CO₂ powder, foam. During fire thermal decomposition of the substances contained in the preparation may occur. As a result of that toxic smokes and gases may be formed, which contain in: nitrose gases. carbon monoxide, carbon dioxide, nitrogen . The rescuers must be equipped with protective clothing and respiratory tract isolating equipment, irrespective of ambient air. 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 to +8 °C.

8. Exposure Controls/ Personal Protection:

Appropriate control parameter:

See Polish regulations.

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

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

acetic acid: NDS – 15 mg/m³, NDSC_h – 30 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.

	1-TG 1-REAGENT	2-TG 2-REAGENT	3-STANDARD
Form:	clear solution	clear solution	clear solution
Colour:	colourless to light yellow	colourless	colourless to light yellow
Odour:	odourless	odourless	odourless
Vapour pressure:	no data available	no data available	no data available
Boiling temperature:	100 °C	100 °C	no data available
Melting temperature:	no data available	no data available	no data available
Ignition temperature:	incombustible	incombustible	incombustible
Flammability:	incombustible	incombustible	incombustible
Density:	1,014 g/cm ³ (20 °C)	1,008 g/cm ³ (20°C)	0,999 g/cm ³ (20° C)
pH:	7,0 (30 °C)	7,5 (25 °C)	5,5 (20-25°C)

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. carbon monoxide, carbon dioxide,

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).

See Turkish 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: General updating.

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