



SAFETY DATA SHEET
IKA SPIN IN CHEMICAL CAPSULES

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SAFETY DATA SHEET PURSUANT TO #14 DANGEROUS GOODS ACT AND DIRECTIVE

TRADE NAME: **IKA SPIN IN CHEMICAL CAPSULES, M8 – M30**

MANUFACTURER: YAPI BAGLANTI SISTEMLERI SAN. TIC. LTD. STI

DATE OF PRINT: 01 / 01 / 2012

1. Description of substance, formulation and manufacturer

1.1 Details on product

Trade name **IKA SPIN IN CAPSULES**

Article No. 101

1.2 Details of manufacturer

Yapi Baglanti Sistemleri San Tic Ltd. Sti

Kucuk Sanayi Sitesi 79. Skokak No 2, Corum, Turkey

Tel: 0090 364 234 6257 – 67

Fax: 0090 364 234 7848

1.3 Emergency telephone number: 0090 364 234 6257 – 67

Emergency telephone number South Africa: 082 551 3008

2. Composition / Component details

2.1 Chemical characteristics

Polyester resin as 70% liquid

Dibenzoil peroxide powder 25%

CAS Nr. : 94-36-0 EINECS Nr. B36 : 202-327-6

Plaster

CAS Nr. : 10101-14-4 EINECS Nr. : 231-900-3

Silica

CAS Nr. : 112926-00-8 EINECS Nr. : 231-545-4

2.2 Dangerous Contents : Dibenzoil Peroxide

: Polyster Resin

3. Possible dangers

3.1 Personnel : May irritate eyes and skin and dangerous if swallowed.

3.2 Environment : Poisonous to water organisms, do not dispose in natural streams.

3.3 Precautions : Wear glasses and gloves to protect sensitive eyes and skin and do not directly inhale any vapour.

4. First Aid measures

4.1 From inhalation : move to fresh air.

4.2 Skin contact and irritation : wash thoroughly with soap and water

4.3 After swallowing : rinse mouth immediately, drink plenty of water and consult doctor

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- 4.4 Tips for doctor : use symptomatic and preventative measures
5. Fire fighting measures
- 5.1 Suitable extinguishing agent : water, dry powder, carbon dioxide (Co2)
- 5.2 Unsuitable : water applied with full jet
- Fires may release carbon monoxide and carbon dioxide.
- Use protective gear with breathing apparatus with independent air supply.
6. Measures in case of inadvertent release
- 6.1 Preventative measures personnel : move personnel from hazard area
- 6.2 Preventative measure environment : do not dispose into sewer or waste water
- 6.3 Cleaning process : remove mechanically, soak up remainder with dry sand or soil and keep in closed container.
- 6.4 Dispose of any material by burning
7. Handling and storage
- 7.1 Handling: ensure work area is well ventilated and bear in mind all safety precautions.
- 7.2.1 Fire : keep away from heat sources
- 7.2 Storage : storage class 10
- 7.2.1 Storage requirements : keep out of direct sunshine and away from all heat sources.
- 7.2.2 Contents : contains styrene and dibenzoyl peroxide
- 7.2.3 Storage with other substances : none
- 7.2.4 Storage temperature : minimum 0 to 30 degrees centigrade
- 7.2.5 Store in original packaging until used.
8. Exposure limits and personal protection equipment
- 8.1 Personnel protective measures
- R 10 flammable : keep away from heat source
- R 38 may irritate eyes : wear protective glasses/goggles
- S 28 may irritate sensitive skin : wear protective gloves and wash with soap and water
- 8.2 Breathing protection
- R 20 dangerous to health on inhalation
9. Physical and chemical characteristics
- 9.1 Appearance
- 9.1.1 Form : liquid
- 9.1.2 Colour : yellowish
- 9.1.3 Smell : typical of styrene
- 9.2 Safety – relevant data
- 9.2.1 Boiling point : ca. 145 degrees centigrade
- 9.2.2 Melting point : above 100 degrees centigrade
- 9.2.3 Flash point : 31 degrees centigrade
- 9.2.4 Ignition point : 490 degrees centigrade

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9.2.5 Lower explosion limit (Vol.%) : 1.1

9.2.6 Upper explosion limit (Vol.%) : 8

9.3 Miscellaneous details

9.3.1 Density (g/ccm) : ca. 1.15g/cm³

9.3.2 Solubility : non soluble

9.3.3 Vapour pressure (mbar) : 7 mbar

9.3.4 Viscosity (mpas) : greater than 90s

9.3.5 Other : no dangerous decomposing ingredients if stored and handled correctly as per directions.

10. Stability and reactivity

10.1 Dangerous reactions : when exposed to heat

10.2 Dangerous decomposition : none when stored and handled correctly

10.3 Thermic decomposition : self-accelerating decomposition at temperatures in excess of 60 degrees centigrade (hardner)

11. Toxicological information

11.1 Acute lethal dose if ingested : LD 50 oral, Rat : 5000 ml/kg.

11.2 Acute lethal dose if in contact : none

11.3 Irritant effect on skin : irritation of sensitive skin possible in contact with resin and hardener.

11.4 Irritation of eyes : composition and vapours could cause irritation of eyes and mucous

12. Ecological particulars

12.1 Biological elimination : prevent from entering sewers, ground or open water (dangerous in water WGK 2 (Styrene))

13. Disposal and cleaning

Mixing of components hardens product in short time when they may be safely disposed of.

Recommended cleaning agent : Acetone

14. Transport particulars

14.1 By road ADR/RID and GGVS/GGVE (foreign or domestic)

14.1.1 Class : RN

14.1.2 Number / letter : 301 D

14.2 By sea IMDG/GGVSea

14.2.1 Class : 5.2, 3.3

14.2.2 UN-Nr. : 1866

14.2.3 PG : III

14.2.4 EmS-nr. : 3 05, 5.2-01

14.2.5 MPO : P

14.2.6 MFAG : 310, 735

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14.2.7 Correct technical name

Epoxy Acrylate Styrene free resin, dibenzoyl peroxide powder

14.3 By air ICAO – TI and IATA – DGR

14.3.1 Class : 5.2, 3

14.3.2 UN/ID-Nr : 1866, 3106

14.3.3 PG – Nr : III

14.4 Express delivery approved.

15. Regulations

15.1 Hazardous Goods Regulations Annex. II Nr. 1 per EC Guidelines

Symbol : Xn

Danger designation : Dangerous to health, contains styrene, slightly poisonous

15.1.1 R-Sets

R 10 : flammable

R 20 : health hazard when inhaled

R 36/38 : irritant to eyes and skin

15.1.2 S-Sets

S 23 : do not inhale vapours

15.2 National regulations

15.2.1 Classification per VbF : not applicable per paragraph 2.4

15.2.2 Technical instructions air : Para 3.1.7 – organic contents styrene class 2

15.2.3 Aquatic danger class : WGK 2

15.3 Misc. regulations

Mak Value : (TRGS 900)

Styrene : 200ml/m³ (ppm) ie: 85 g/m³ (8 hours-av. Value)

Top limitation Cat ; II 1, ie: 30 min. exceeding twice the MAK-Value (40ml/m³) four times per shift permissible.

BAT-value for Styrene is 2 g/l with almond acid parameter of 2,5 g/l almond acid parameter plus Penylgloxide acid (sampled in urine after test period).

Styrene is in pregnancy group C ie. A risk to fertility needs to be considered when keeping to MAK and BAT requirements.

Consult Data sheets from BG-Chemie M 023 Polyester and epoxy resins and M 039 "Damage to Fertility-Protection at Place of Work".

VCI – storage class 3A

Note: Information above is based on latest knowledge at time of printing.