

# MATERIAL SAFETY DATA SHEET

According to applicable EC directive

Product Name : BAYCOPUR-1K

Print Date : 24.07.2014  
Version : 1

## 1- DEFINITION OF THE MATERIAL

**Product Name** : BAYCOPUR-1K B-Component (Catalyst)  
**Product Use** : Injection Resin

**Manufacturer / supplier** : AB-SCHOMBURG CONSTRUCTION CHEMICALS INC.  
Address: 19 Mayıs Mah.Turapoğlu Sok. Hamdiye Yazgan İş Merkezi 4/8  
34736 – Kozyatağı / İstanbul / TURKEY  
Tel : (0216) 302 71 31 /-32  
Fax : (0216) 302 70 01  
e-mail : [info@ab-schomburg.com.tr](mailto:info@ab-schomburg.com.tr)  
web : [www.ab-schomburg.com.tr](http://www.ab-schomburg.com.tr)

## 2- INFORMATION ABOUT COMPOSITION

Mix of Polyols, flame retardants and catalysts

Description	%	Symbol	R-phrases
p.w.Alkyl tin mercaptide	0,01 - 0,50	XN	21/22-52/53
Glycole	0,01 – 0,20	F, XN	11-22-36/38-41-52/53

## 3- HAZARD IDENTIFICATION

Repeated and / or prolonged contact may cause skin irritations. For classification see section 15. Every operation should be done with ventilation of stores and work areas. No potential acute health effects.

## 4- FIRST AID MEASURES

### General

Remove contaminated soaked clothing immediately. Immediate measures in case of contact with hot product : measures identical as with burnings.

### Skin Contact

In case of contact with skin take contaminated clothes off and wash off immediately with soap and water. Consult a doctor if skin irritation persists.

### Inhalation

Keep patient calm remove to fresh air, in the event of symptoms refer for medical treatment.

### Eye Contact

In case of contact with eyes, wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### Ingestion

Induce vomiting. Call for a doctor immediately. If patient is unconscious do not induce vomiting.

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### 5- FIRE FIGHTING MEASURES

**Extinguishing media:**

CO<sub>2</sub> , foam, dry powder, sand. Water can be used if no other available and then in copious quantities. Full water jet could spread the fire. Not classed as flammable, if involved in a fire, it may emit noxious and toxic fumes. Containers may burst if overheated. Combustion products may include CO<sub>2</sub>, CO, hydrocarbons.

**Futher indications:** Cool endangered containers with water spray jet.

**Special Protective Equipment :** Use breathing apparatus with independent air supply (isolated). PCV boots, gloves, safety helmet and protective clothing should be worn.

### 6- ACCIDENTAL RELEASE MEASURES

Splash goggles, full suit, boots, gloves, a self-contained breathing apparatus should be used to avoid inhalation. Prevent further leakage, spillage or entry into drains/surface water/ground water. Absorb spillage onto sand or any suitable absorbent material. Shovel into open-top drums for further decontamination.

### 7- HANDLING AND STORAGE

**Handling:**

Do not breathe vapour/spray. Avoid contact with skin and eyes. Ensure through ventilation of stores and work areas. Avoid uncontrolled mixing component A (polyol) with component B (Iso), because those components react together causing polymerization combine with increasing of volume. A basic essential in sampling, handling and storage is the prevention of contact with water.

**Storage:**

Keep containers properly sealed and store indoors in a well ventilated area. Keep away from frost. Keep away from moisture.

### 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional information about design of technical systems:**

Avoid contact with eyes and skin. It is recommended to use safety clothing. Safety gloves and goggles/safe screen. Do not inhale vapours / aerosols. Clean skin thoroughly after working. At work do not eat, drink, smoke or take drugs. Keep away from food and drink.

**Respiratory protection**

Suitable respiratory equipment with positive air supply should be used in cases of insufficient ventilation or where operational procedures demand it.

**Exposure Controls/Personal Protection**

**Hand Protection** Chemical resistant safety gloves

**Eye protection** Goggles with side protection, in case of increased risk add protective face shield

**Skin Protection** Standard work clothing

### 9- PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

**Form** : Liquid  
**Colour** : light yellow

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Smell	: characteristic
Boiling Point °C	: > 200
Flash point °C	: > 200
Explosive limits	: not explosive
Solubility in Water	: partially soluble
Density at 25 °C g/cm <sup>3</sup>	: ca. 1,04-1,12
Viscosity 25 °C mPas	: ca. 80-120

### 10- STABILITY AND REACTIVITY

**Hazardous Decomposition Products** : no hazardous decomposition products when stored and handled correctly.  
Chemical stable.

**Avoidable materials** : Strong oxidizing agents, acids.

**Avoidable conditions**: High temperatures and dampness.

### 11- TOXICOLOGICAL INFORMATION

**Effect on the eyes**: the vapor,, aerosol and liquid might be irritant.

**Effect on the skin**: Repeated and/or prolonged contact may cause skin irritations.

**Effect on the ingestion** : Low oral toxicity. Ingestion may cause irritation of the gastrointestinal tract.

**Acute toxicity** : LD 50 (Oral, rabbit) > 2000 mg/kg

**Chronic toxicity** : Unlikely under normal industrial use.

### 12- ECOLOGICAL INFORMATION

By considering the production and use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

Slowly biodegradable.

Ecotoxicity data : LC<sub>50</sub> = 1500 mg/l (Leuciscuss idus, 48h)

LC<sub>50</sub> = 2300-3200 mg/l (Brachydanio rerio, 96h)

### 13- DISPOSAL INFORMATION

The generation of waste should be avoided or minimized wherever possible. Untreated material is not suitable for disposal. Waste, even small quantities, should never be poured down drains, sewers or water courses. Large quantities-incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste. Empty drums should be decontaminated and either passed to an approved drum reconitioner or destroyed.

### 14- TRANSPORTATION INFORMATION

Land and inland navigation transport ADR/RID, marine transport IMDG, air transport ICAO/IATA-DGR not regulated.

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### 15- REGULATORY INFORMATION

Labelling in accordance with the EC directives/the relevant national laws.

Symbol-/ indication of danger	Xn, harmful
Risk phrases (R-phrases)	R22 Harmful if swallowed
	R36/38 Irritating to eyes and skin
Safety advices (S-phrases)	S2 Keep out of reach of children
	S26 In case of contact with eyes, rinse immediately with plenty of water
	S36/37 Wear suitable protective clothing and gloves
	S39 Wear eye/face protection

### 16- OTHER INFORMATION

This safety data sheet is issued on 27.11.2010.

**Full text R-phrases with no appearing in Section 2 and 3 :**

R22	Harmful if swallowed
R36/38	Irritating eyes and skin
R21/22	Harmful in contact with skin and if swallowed
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R11	Highly flammable
R41	Risk of serious damage to the eyes

**Alterations since the latest issue:**

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify warranty with regard to the products' properties.