

**MATERIAL SAFETY DATA SHEET****0094- BS 18 LACQUER**

This document have been prepared according to "Regulations On Safe Management Of Hazardous Chemicals Which Involves Preparation And Distribution Of Hazardous Materials And Preparations (Date 13.December.2014 and 29204)"

1. Chemical Product and Company Identification:**1.1. Product Name****Trading Name** :BS-18 LACQUER**Trading Code** :0094**1.2. The Place Of Use Of Product****Recommended Usage** : This product is used for exterior wall topcoat in the building construction group.**1.3. Contact Information of the MSDS Supplier**

Supplier **BEKOTEKS YAPI SANAYİ VE DIŞ TİCARET LTD. ŞTİ.**
Zirai Aletler Sanayi Sitesi.
1266 Sokak No:43
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Tel: +90 264 282 17 48
Fax:+90 264 282 14 49
bekoteks@bekoteks.com.tr
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1.4. Emergency Telephone Number

BEKOTEKS: +90 264 282 17 48
UZEM Phone:114 (Presidency of Refik Saydam Health Centre- National Poison Information Centre)
Emergency Health Services: 112



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2 Hazards Identification

2.1 Product Classifications

Physical and Chemical Hazards :-
Human Health :-
Environment :-

Classification (28848 T.C.)

2.2. Label Elements

Hazard Pictograms

The product is not classified as dangerous according to Regulation (EC) No 27092/2008 on Classification, Packaging and Labeling of Dangerous Substances and Preparations (and subsequent amendments and adaptations).

Hazard Statements: -

Precautionary Statements:-

2.3 Other Hazards

Product is not Permanent, Bioaccumulative, Toxic (PBT) / Very Permanent, Very Bioaccumulative (vPvB).

3 Composition and Information on Ingredients

3.1. Materials

No relevant information

3.2. Mixture

Ingredients	EC No.	CAS No.	Cons. %	Classification in the 1272/2008 (CLP)
Styrene- Acrylic Copolymer	-	25133-97-5	>20	It is not in hazard class
Water	231-791-2	7732-18-5	>60	It is not in hazard class
Thickening Agent	-	-	<1	It is not in hazard class
Wetting Agent	-	-	<1	It is not in hazard class

About The Serp

- The latest data are given in accordance with the Republic of Turkey and the European Union regulations.
- Upper limit is not included in ranges.



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- Full explanations of hazard statements (H) are given in chapter 16 Of the data sheet

4 First Aid Measures

4.1. Description of First Aid Measures

General Information

Immediately expose the exposed person to fresh air. Consult a physician if any uncomfortable conditions persist.

Skin Contact

Wash immediately with plenty of water. Contact may cause irritation. If irritation develops seek medical advice. Exposure to molten resin may cause thermal burns. If molten material comes in contact with the skin, cool under ice water or a running stream of water. DO NOT attempt to remove the material from the skin. Removal could result in severe tissue damage. Seek Medical attention.

Ingestion

Because of suffocation danger, keep away from children. High dosage of ingestion may cause; irritation of mouth, throat and digestive tract. Do not induce vomiting. Seek medical attention.

Inhalation

Dust and process vapors may be irritating to the nose, throat and respiratory tract. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Eye Contact

Dust, fines and process vapors may irritate the eyes. Immediately flush eyes with running water for at least 15 minutes. Remove contact lens, if worn. Seek medical attention.

4.2. Important Symptoms and Effects Seen Acutely and Later

Specific information about the symptoms and effects caused by the product is not know. See section 11 for symptoms and effects caused by ingredients.

4.3. First Signs for Medical Intervention and Special Treatment

No information available

5 Fire and Explosion Data

5.1. Fire Extinguisher

Used to Extinguish a Fire: Extinguishing media: carbon dioxide, foam, chemical powder. In the event of non- fire product loss or leakage, water spray can be used to disperse the flammable vapors and protect the people who prevent leakage

Unsuitable Extinguishing Media: Do not use water jet. Water is not effective to extinguish fires. But can be used to cool containers exposed to flames to prevent bursts.

5.2. Special Hazards Arising From the Substance or Mixture, Unusual Fire and Explosion Hazards

HAZARDS CAUSED BY EXPOSURE TO FIRE

Pots exposed to fire can be exposed to excessive pressure, creating a risk of explosion. Be careful not to breathe flammable products.

5.3. Recommendations For Fire Fighting Teams

General Informatin

We cool the containers using water jets to prevent the disassembly of the product and the emergence of potentially hazardous substances. Always wear fire prevention equipment. Fire fighting water to a point in the sewer system to prevent the collection. Dispose of the dirty water and fire residues used to extinguish the fire in accordance with the relevant regulations.



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Protective Equipment

Independent open-circuit positive- pressure breathing apparatus (BS EN 137) as well as normal fire fighting clothing, fire extinguisher kit (BS EN 469), gloves (BS EN 659) and boots (HO spesifications A29 ve A30).

6 Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Avoid spreading the leak if the hazard is not the case

Wear appropriate protevtice equipment (including personal protective equipment as described in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These instructions apply both the personnel performing the operation and to persons involved in emergency procedures.

Remove persons who have not installed appropriate equipment from the area. Remove all sources of ignition (cigarettes , flame, sparks etc.) from the area where the leak has occurred.

Wear Glasses with side shields in dusty conditions. Wear Gloves and protective garments when handling molten material.

6.2. Environmental Precautions

Collect product for re-use or disposal. Notify applicable government authority if release is reportable or could adversely affect the environment. Prevent to deposit in working area and reach to sewer system or watercourses.

Spill: Slippery material. In case of spilling, sweep up immediately to eliminate slipping hazard. Isolate the area, keep unnecessary personal away. Eliminate all potential ignition sources. If there is an ignition risk, alert stand by emergency and firefighting personnel. Ground all approved equipment used in area. Personnel who are required to enter the spill area must wear SCBA and other appropriate thermal protective equipment.

6.3. Methods and Materials for Preserving and Cleaning

Collect the leaked product in a suitable container. If the product is flammable, use explosion- proof equipment. Assess the suitability of the cabin to be used by checking section 10. Collect the remainder of the leaking product with reactive absorbent material.

Make sure that the area where the leakage is ventilated sufficiently. The contaminated material must be disposed of in accordance with the provisions of Article 13.

6.4. Refer to Other Sections

See section 8 for personal protection.

See section 11 for additional information on health damage

See section 13 for waste disposal

7 Handling and Storage

Handling: Use caution to avoid creation of dusts and to prevent inhalation of product dust (fines). Electrostatic charge may accumulate and create a hazardous condition when handling this material.

Storage: Store in dry, dust-free area and on the pallets. Keep away from sunlight. Ventilation must be supplied in existence of melting processes. Use proper grounding procedures to avoid static electric. This product may react with strong oxidizing agents and should not be stored near such materials. Storage area should be equipped with appropriate extinguishing capability (e.g. sprinkler system, portable fire extinguishers, and flammable gas detectors).

Storage Temperature: Ambient condition, Max 30 °C.

Transport Temperature: Ambient condition.

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8 Exposure Controls/ Personal Protection

8.1. Control Parameters

An eyewash and safety shower should be nearby and ready for use.

Exposure Limits: There is no special control limit for LDPE. However, the limit value for non-toxic dust concentration in ambient air is 10 mg/m³.

Respiratory System: Adequate ventilation is recommended to minimize accumulation of fines or vapors during processing and handling. Where exposure to nuisance dust may exceed acceptable levels, use NIOSH/MSHA approved respiratory protection equipment.

Regulatory References:

ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Instruction 2009/161/EU; Instruction 2006/15/EC; Instruction 2004/37/EC; Instruction 2000/39/EC
	TLV (ACGIH)	
	TLV	
	TLV-ACGIH	ACGIH 2014
	TLV/TWA (EC)	

8.2. Exposure Controls

Personal Protective Equipment:



Eyes Protection: Wear safety glasses, face shield or chemical goggles to avoid getting material in the eyes during bulk handling. Eyewash fountains and safety showers should be easily accessible.

Skin/Hands/Feet Protection: Protective gloves, shoes and clothes are recommended, especially when material is heated. Observe good hygiene practices when handling this product including changing work clothes after use. Do not eat, drink or smoke in areas where this material is handled.

Process Conditions:

Eye wash area, provide safety shower.

Technical Measures:

Care should be taken to ensure adequate ventilation of the workplace with effective local ventilation practices, as adequate technical equipment must be given priority to use personal protective equipment. Personal protective equipment must bear the CE marking indicating compliance with relevant standards.

There must be an emergency shower with face and eye wash stations. Exposure levels should be kept at the lowest possible levels to avoid significant accumulation in the organism. Personal protective equipment should be managed in such a way as to provide maximum protection (eg reduction in replacement times).

Respiratory protective measures:

If a threshold value (eg TLV-TWA) is exceeded for one of the substances in the substance or the product, wear a type-A filter mask which must be selected according to the class intensity density limit (1, 2 or 3). (see standard EN 14387) In the case where gas and / or steam types are available for the gas, vapor types, or various particulates (aerosol spray, smoke, mist, etc.) in the environment, the combined filter must be used. Respiratory protection devices should be used if the technical measures implemented are not suitable for restricting occupational exposure to the evaluated thresholds. The protection provided by masks is limited in all cases. If the substance is odorless or if the odor threshold is higher than the relevant TLV-TWA and in case of emergency (in accordance with EN 137 standard), wear an open



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air respirator or an air respirator with external air inlet (according to EN 138 standard). To select the correct respiratory protection device, refer to EN 529 standard.

Protection of hands: You should protect your hands with category III work gloves (see standard EN 374). When choosing a business glove material, the following factors should be considered: suitability, decay, breakdown and permeability. Work gloves must be checked prior to use, as resistance to chemical agents is a condition that cannot be predicted. The wear time of the gloves varies depending on the type and duration of use.

Eye Protection: Safety glasses complying with an approved standard should be used. Recommended: Safety glasses on the surface.

Health Precautions:

DO NOT INSIDE SMOKING PLACES!

Wash thoroughly your hands, arms and face after using chemical products at the end of the working period before eating, smoking and using the toilet. Remove all contaminated clothing immediately. In case of skin contamination, wash immediately with soap and water. Wash the dirty clothes before using them again. Make sure that eye wash stations and safety showers are close to the work area.

Skin Protection:

Category II. wear professional long-sleeved overalls and protective footwear (see Directive 89/686 / EEC and standard ISO 20344). After removing protective clothing, wash your body with soap and water.

Evaluate the suitability of providing antistatic clothing in explosive work environments. EYE PROTECTION Wear safety goggles (see standard EN 166)

Environmental Exposure Controls:

During the manufacturing process and by controlling the emissions caused by the ventilation equipment, compliance with environmental standards must be ensured. Product residues should not be disposed of by disposing of waste water in water or into waterways.

9 Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Appearance	Liquid
Color	White
Smell	Various Solvents
Solubility	Soluble in Water (at 20 °C)
Initial Boiling Point	Not Available
Melting/ Freezing Point	Not Available
pH Value	Not Available
Flash Point	Water-Based
Evaporation Rate	Not Available
Spontaneous Ignition Temperature	Not Available
Lower Explosion Limit	Not Available
Upper Explosion Limit	Not Available
Density	Not Available
Relative Density	Not Available
Vapor Density	Not Available
Vapor Pressure	Not Available
Viscosity	Not Available
Dispersion Coefficient (n-octanol/water)	Not Available



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Boiling Range Not Available

9.2 Other Informations

Information not available

10 Stability and Reactivity Data

Stability: Stable.

Conditions to Avoid: Avoid dust formation. Keep away from sources of ignition. Take precautionary measures against static discharges. Keep away from heat, sparks and flame. Avoid storage or contact with strong oxidizing agents, strong acids and alkalis.

Materials to Avoid: Fluorinated and oxygenated compounds (>%50 Fluorine). Avoid dusting and incompatibilities.

Hazardous Decomposition Products: Hazardous polymerization will not occur. Carbon Monoxide, Carbon Dioxide, selected alkenes and aldehydes including acrolein and formaldehyde can be formed in negligible amount.

Special Remarks: May react with oxidizing agents

11 Toxicological Information

Toxicity Limit: None of this product ingredient is listed as a carcinogen by OSHA, IARC and ACGIH. The ingredients are not mutagenic, teratogenic and reproductive toxins.

Toxicity limits:

Calcium carbonate;

Inhalation LC 50: N/A

Dermal LD 50: N/A

Oral LD 50: >5000 mg/kg (rat)

Chronic Toxicity: Nontoxic. Emissions occurring in high temperatures may irritate lungs and throat.

Chronic Toxicity - Carcinogenic Effects: ACGIH, IARC, OSHA AN NTP carcinogen list have been checked for similar materials or those components with CAS numbers, not classifiable as a human carcinogen.

Styrene-Acrylic Copolymer;

Oral LD50 >5000 mg/kg (rat) Method: EEC 84/449,B.1

Dermal: Irritant. (rabit) Method: EEC 84/449,B.4

Eyes: Irritant. (rabit) Method: EEC 84/449,B.5

12 Ecological Information

Do not release into water courses and environment, may obstruct animal digestive tracts and cause death.

12.1. Toxicity

Styrene-Acrylic Copolymer;

Fish LC50>500 mg/l (96 h) Method: OECD 203

Bacteria EC0 approx 1.000 mg/l Method : OECD 209

12.2. Permanence and Degradability

Styrene-Acrylic Copolymer; Biodegradability >80 %



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Method : Zahn –Wellens testi

Do not release into water courses and environment, may obstruct animal digestive tracts and cause death.

12.3. Mobility in the Soil

Information not available

12.4. Results of PBT and vPvB Assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.5. Other Adverse Effects

Information not available

13 Disposal Considerations

If possible, use it again. Product residues should be considered as special hazardous waste. The hazard level of the waste containing this product should be assessed in accordance with the relevant regulations. Disposal practices must be carried out through an authorized waste management company in accordance with national and local regulations.

Waste transport applications may be subject to ADR restrictions.

DIRTY PACKAGES: Recycling or disposal of dirty packaging must be carried out in accordance with national inertial regulations.

Methods of disposal: Whatever cannot be saved for recovery or recycling, dispose of waste material should be managed at a suitable landfill site, or at an approved waste incineration facility in accordance with applicable local, provincial, state and federal regulations. Do not attempt to dispose of by uncontrolled ignition.

Contaminated Packaging: Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14 Transport Information

14.1. UN Number

UN No. (ADR/RID/ADN)	not classified as hazardous chemicals in ADR/RID Regulations.
UN No. (IMDG)	not classified as hazardous chemicals in IMDG Regulations.
UN No. (ICAO)	not classified as hazardous chemicals in ICAO Regulations.

14.2. UN Proper Shipping Name: --

14.3. Transport Hazard Class(es)

ADR/ IMDG/ ICAO Class Number	-
ADR/ IMDG/ ICAO Class	-
ADR/ IMDG/ ICAO Label Number	-
Transport Label	-

14.4. Packing Group

ADR/RID, IMDG, IATA: NO

14.5. Environmental Hazards

ADR / RID: NO



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IMDG: NO

IATA: NO

14.6.Special Precautions for User

ADR/RID	-
EMS	-
Hazard No. (ADR)	-
Tunnel Restriction Code	-
Special Instructions	-

14.7.Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Information not relevant

15 Regulatory Information

This Material Safety Data Sheet has been prepared in accordance with the following regulations:

- Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (13.12.2014 R.G. No. 29204)
- Regulation on Classification, Labeling and Packing of Materials and Mixtures (11.12.2013 R.G. No. 28848)
- Regulation on the Transport of Dangerous Goods by Road (31.03.2007 R.G. No. 26479, 1.Difference: 15.06.2008 R.G. No. 26907, 2nd Amendment: 10.07.2009 R.G. Number: 27284, 3. Amendment: 18.12.2010 R.G. Number: 27 789)
- Regulation on Health and Safety Precautions in Working with Chemical Matters (12.08.2013 R.G. No. 28733)
- Regulation on the Prevention and Reduction of Major Industrial Accidents (30.12.2013 R.G. No. 28867)
- Regulation on Control of Hazardous Wastes (14.03.2005 R.G. No. 25755, Amendment: 05.11.2013) R. G. Number: 28 812)

16 Other Information

According to (EC) No. 1272/2008 [CLP/GHS] procedure;

Product Classifications

The product is not classified as dangerous according to Regulation (EC) No 27092/2008 on Classification, Packaging and Labeling of Dangerous Substances and Preparations (and subsequent amendments and adaptations).

16.1 Legal Requirements

This Material Safety Data Sheet was prepared in accordance with the "Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" published on the Official Gazette dated 13.12.2014 and numbered 29204 and the "Regulation on the Classification, Labeling and Packing of the Materials and Mixtures" (11.12.2013 RG No: 28848)" and by certified personel.

16.2 Hazard statements (H statements): -

16.3 Precautionary statements (P statements): -

Revision Statement

SDS, 29204 and 28848 in accordance with the regulations.

Governing

Begüm BAY/ ENÇİ Mühendislik – Certified SDS Preparation

Certificate Number and Date: 01.110.04 /20.12.2016 begum@encimuhendislik.com.tr +90 264 277 04 61



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Editing Note

This SDS is based on information and documentation from the product owner. The SDS developer and / or ENCI Engineering cannot be held responsible for the inaccurate arrangement of the prepared SDS due to the fact that these information and documents are incomplete or inaccurate and for the material damages and moral problems encountered by the product owner.

DISCLAIMER

This information is only relevant to a particular substance and should not be used in a combination or in combination with other substances in the same substance. The information provided to this document is accurate and reliable as of the date specified, at the highest level of knowledge and opinion of the company. It is the user's own responsibility to be convinced of the suitability of this information for its own use.